

22
24 <!-- sample1.dtd -->
26 <!ELEMENT l - - (l1?, l2?, l3?, l4?)*>
28 <!ELEMENT l1 - - CDATA>
30 <!ELEMENT l2 - - CDATA>
32 <!ELEMENT l3 - - CDATA>
34 <!ELEMENT l4 - - CDATA>

FIG. 1A

42 <!--> <html><title>Title</title>
44 <l1--><H3>
46 <l2--> <P>
48 <l3--> <P>
50 <l4--> <P>

FIG. 1B

60 <!DOCTYPE l system "sample1.dtd">
62 <l>
64 <l1 name="hilarry">1. Hi Lorry</l1>
66 <l2> This is the most fun I have ever had.</l2>
68 <l3> It must be great for you as well.</l3>
70 <l4> (Back to the Hi Lorry greeling.)</l4>
72 </l>

FIG. 1C

80 <DOCTYPE HTML Public "-//W3C//DTD HTML 3.2 Final//EN">
82 <html>
84 <title>Title</title>
86 <H3>1. Hi Lorry</H3>
88 <P> This is the most fun I have ever had.</P>
90 <P> It must be great for you as well. </P>
92 <P> (Back to the Hi Lorry greeling.)</P>
94 </html>

FIG. 1D

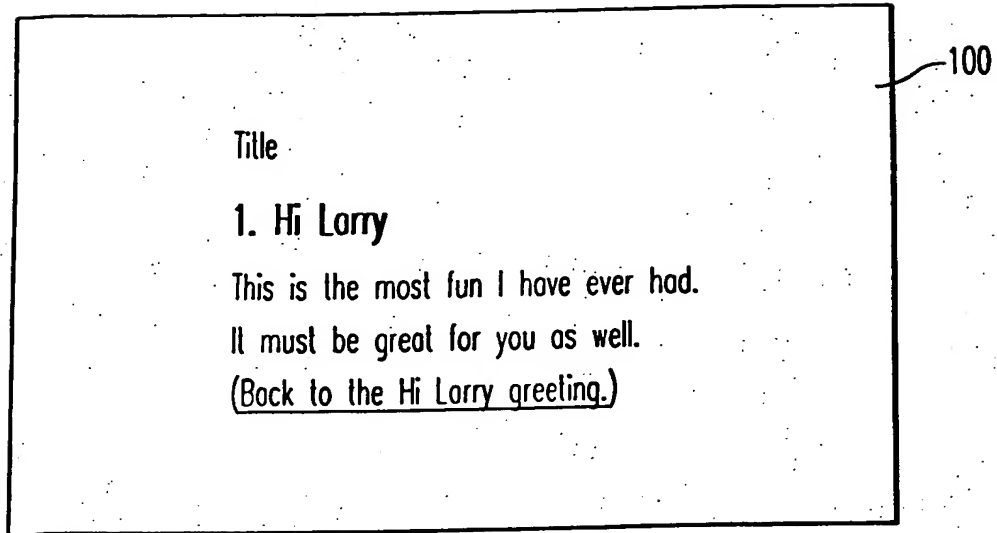


FIG. 2

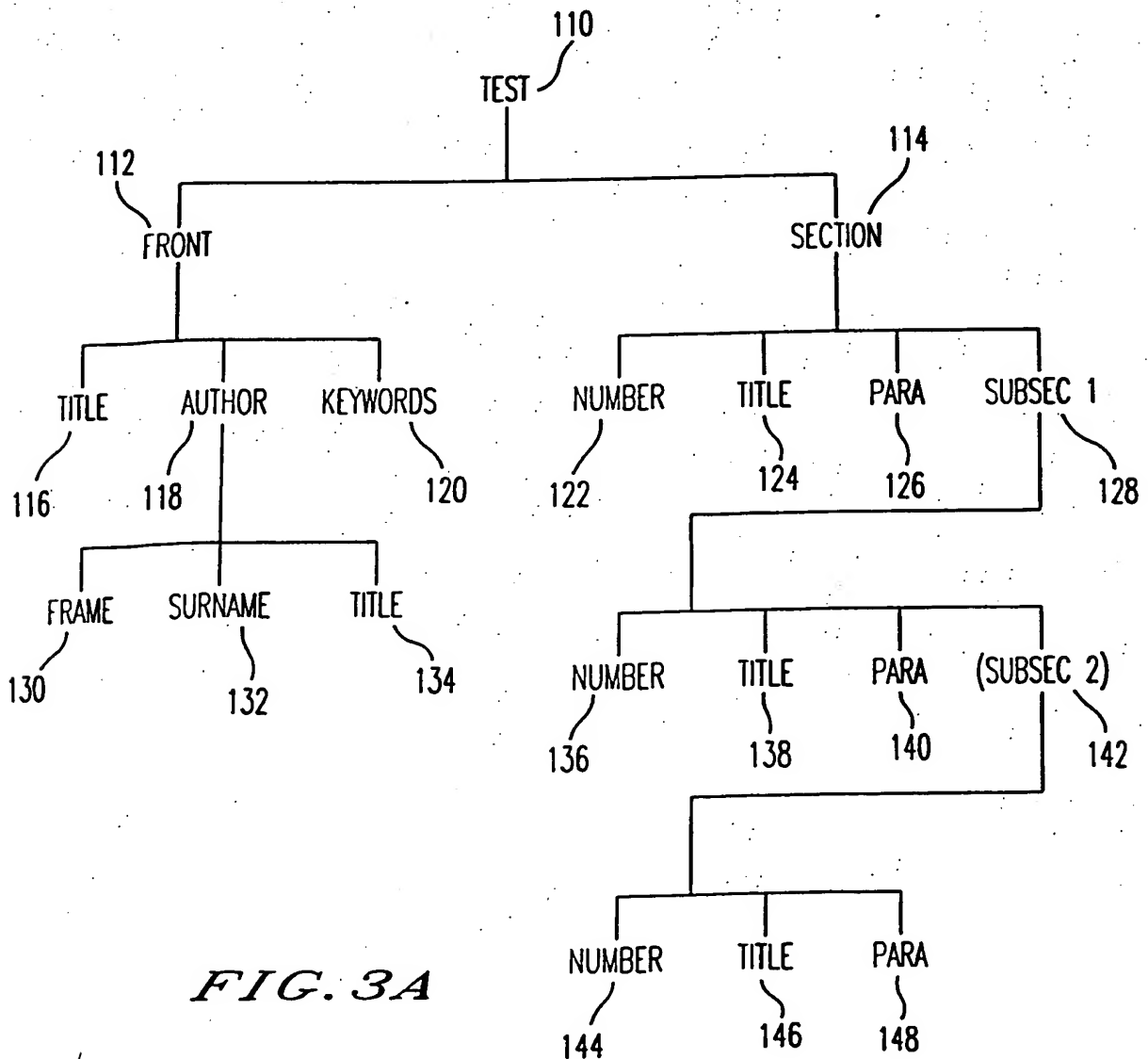


FIG. 3A

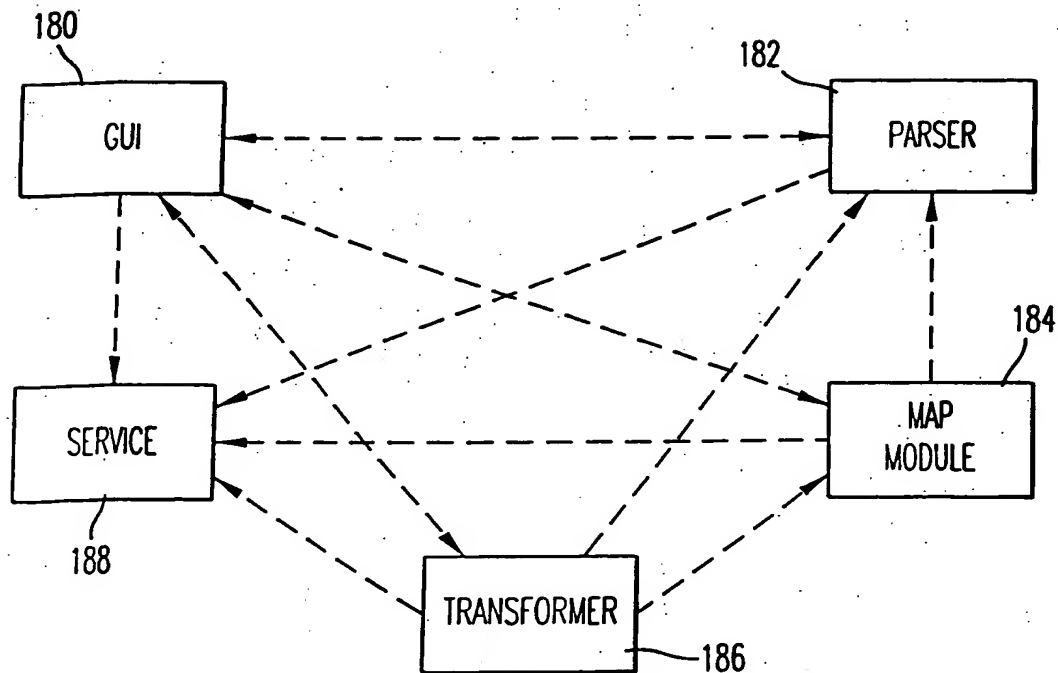
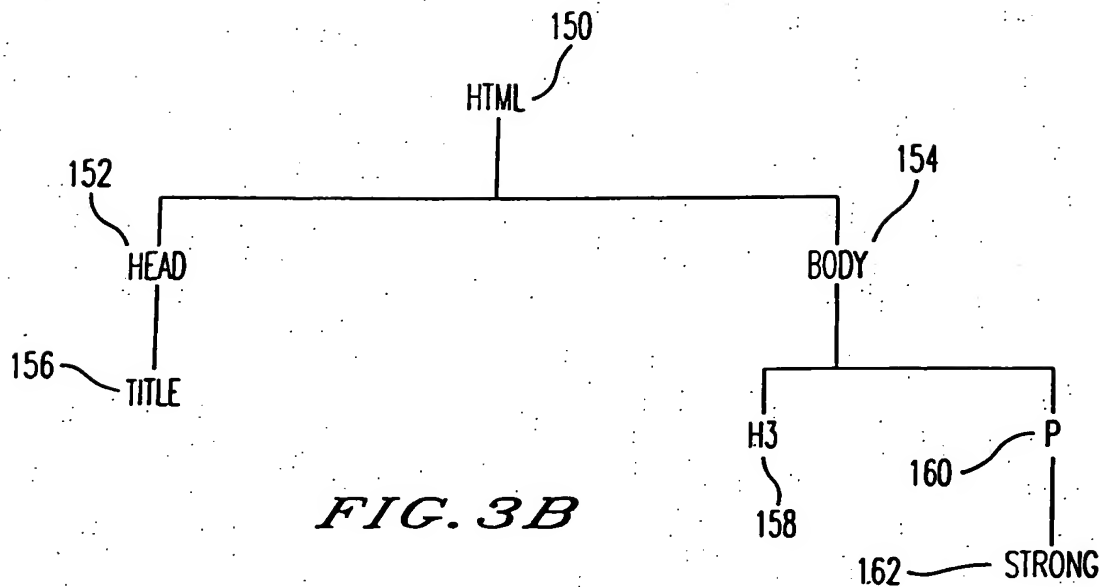


FIG. 4

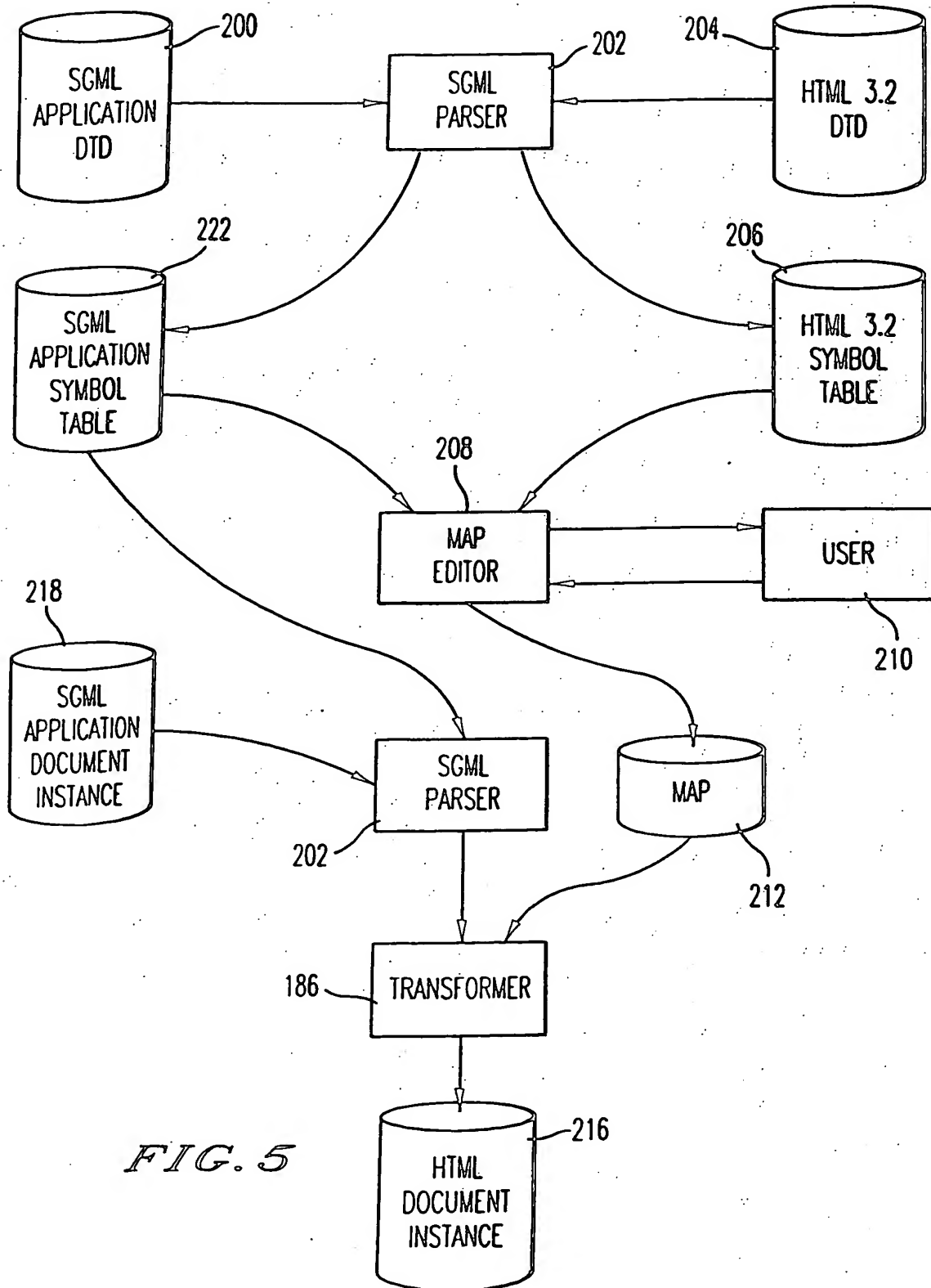


FIG. 5

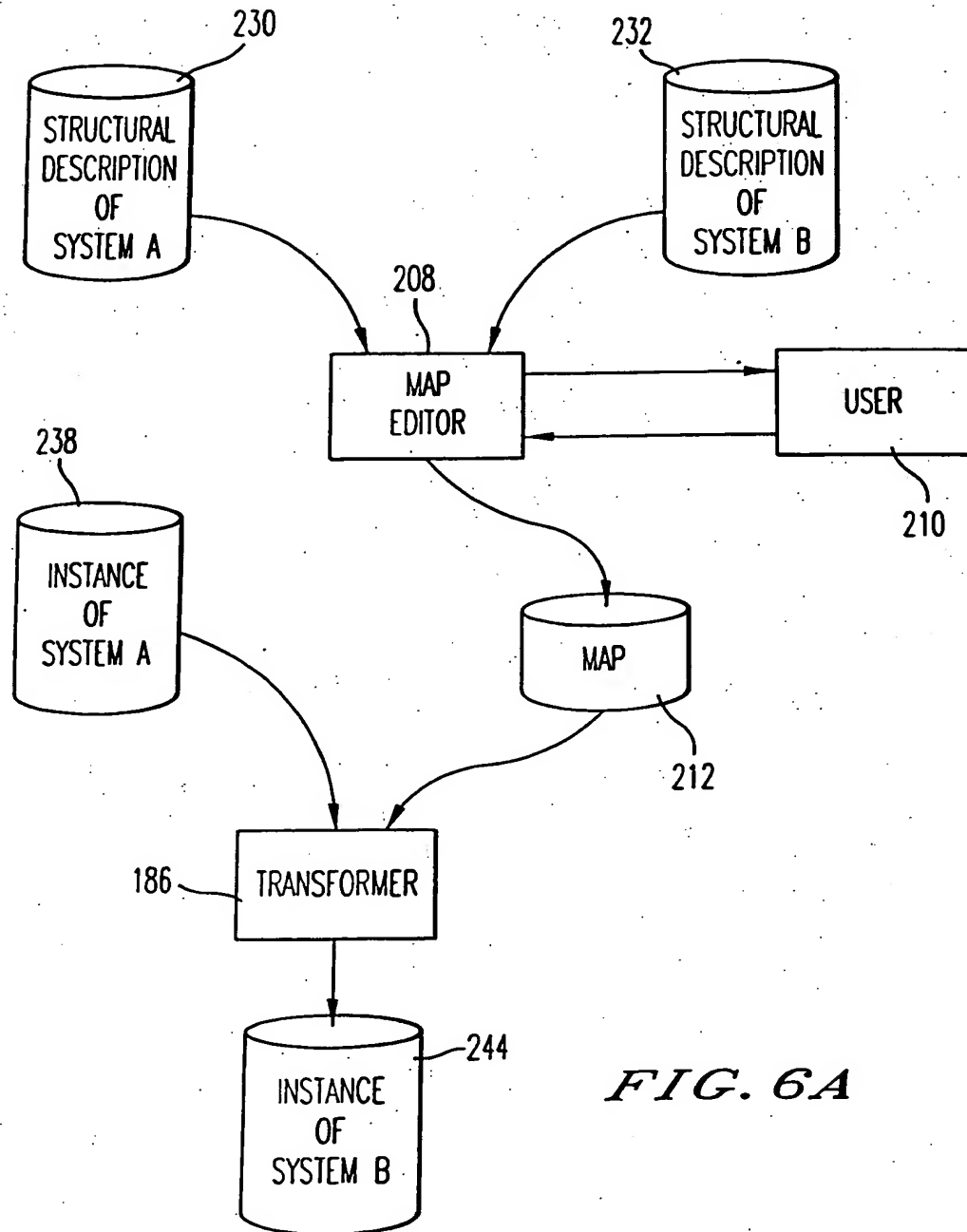


FIG. 6A

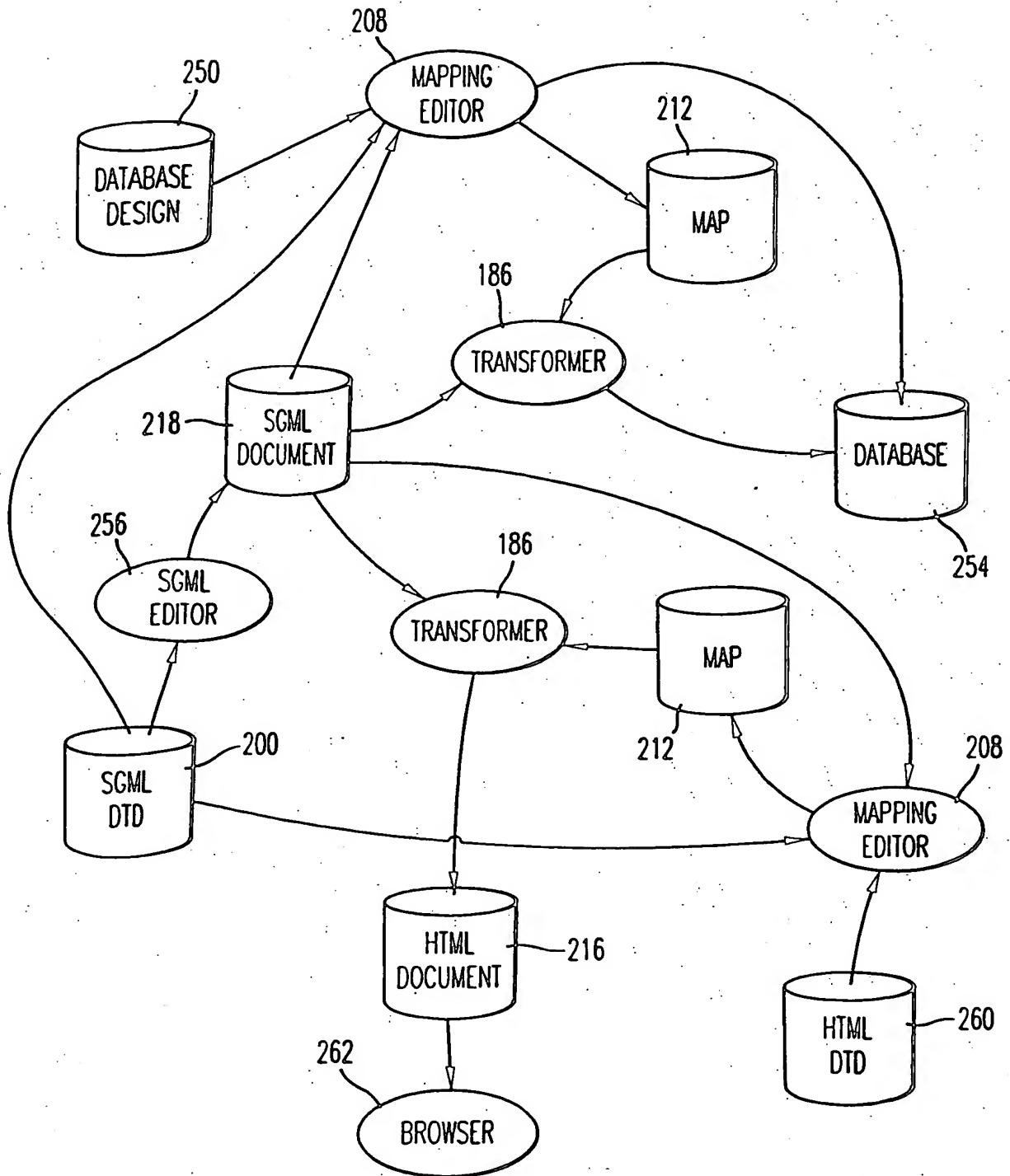


FIG. 6B

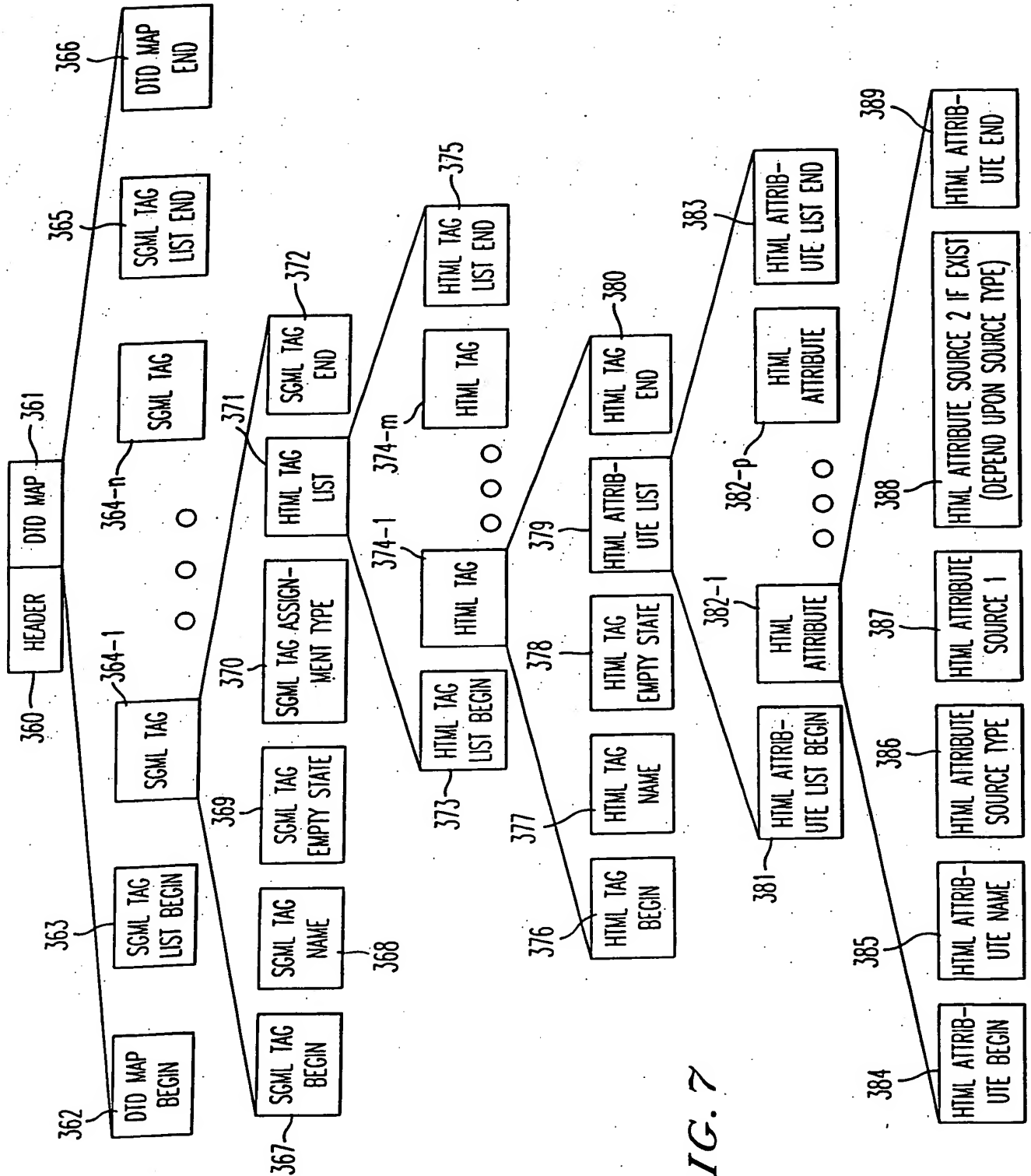
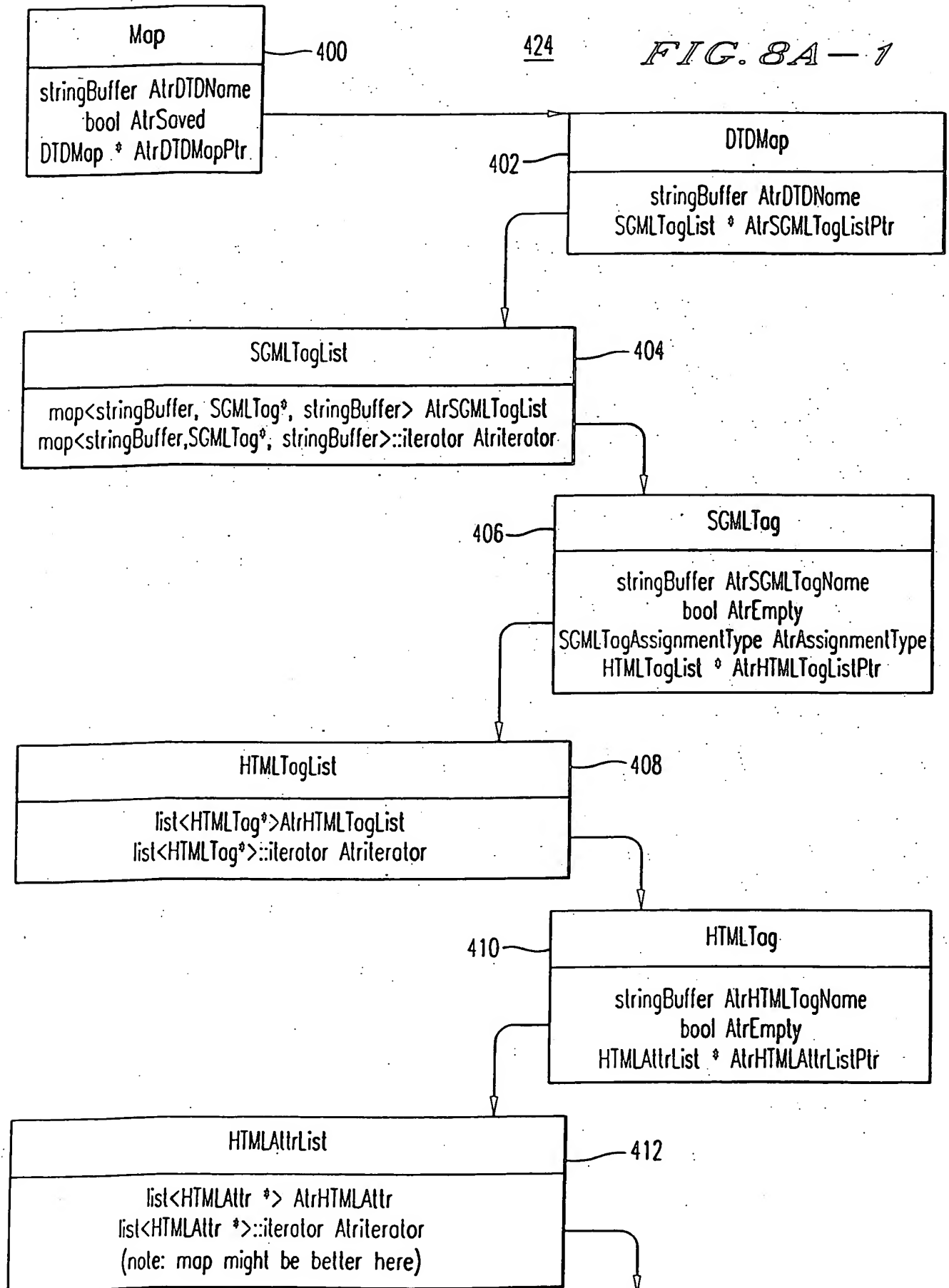
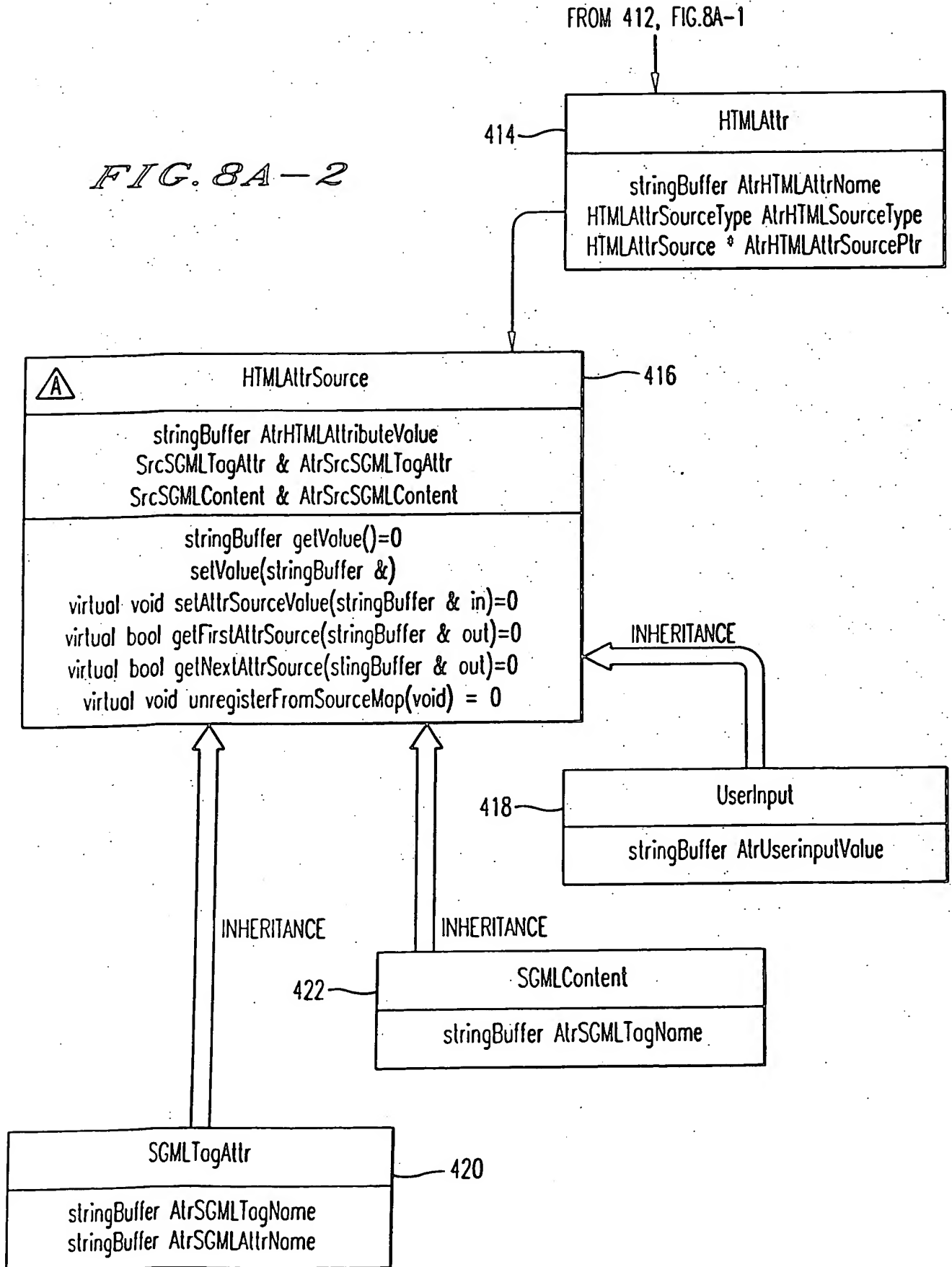


FIG. 7



TO 414, FIG.8A-2

FIG. 8A-2



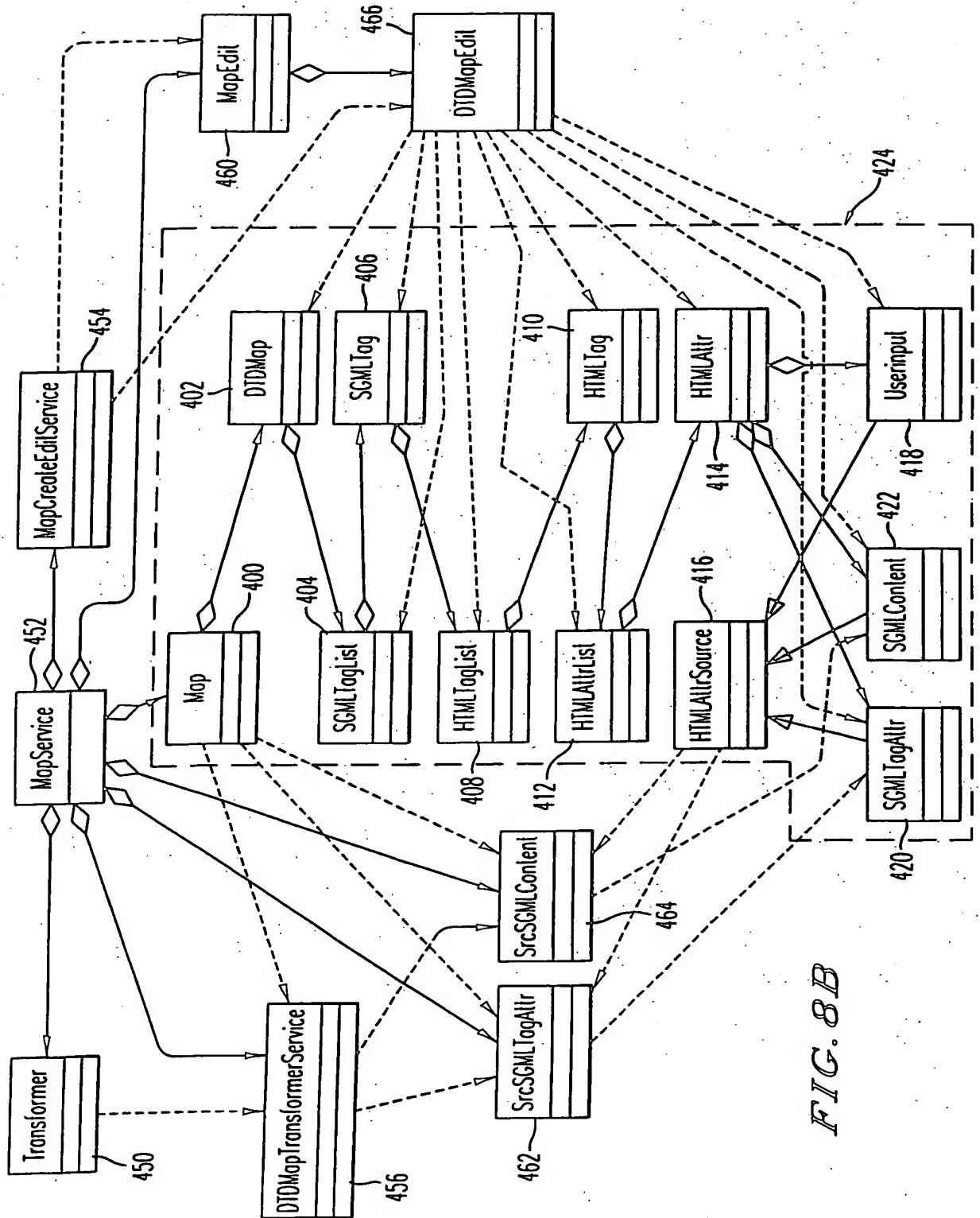


FIG. 8B

462
/

SrcSGMLTagAttr :
stringBuffer AtrCurrentSGMLTagName
stringBuffer AtrCurrentAttribute
stringBuffer AtrCurrentHTMLAttributeSourceValue
stringBuffer AtrTagAttrKey
map<stringBuffer, list<SGMLTagAttr *>, stringBuffer> AtrKeyOfSGMLTagAndAttribute
void registerSGMLTagNameAndAttributeName(SGMLTagAttr *)
void unregisterTagAttrKeyAndMapEntry(SGMLTagAttr *)
void setValueForAttributeOfTag (stringBuffer & Tag, stringBuffer & Attribute, stringBuffer & value)
void reset(void)

FIG. 8C-1

464
/

SrcSGMLContent
stringBuffer AtrCurrentSGMLTagName
stringBuffer AtrCurrentHTMLAttributeSourceVal
map<stringBuffer, list<SGMLContent *>, stringBuffer> AtrTableWithSGMLTagKey
void registerSGMLTagName(SGMLContent *)
void unregisterSGMLTagName(SGMLContent *)
void setValueForTag(stringBuffer & Tag, stringBuffer & Value)
void reset(void)

FIG. 8C-2

452

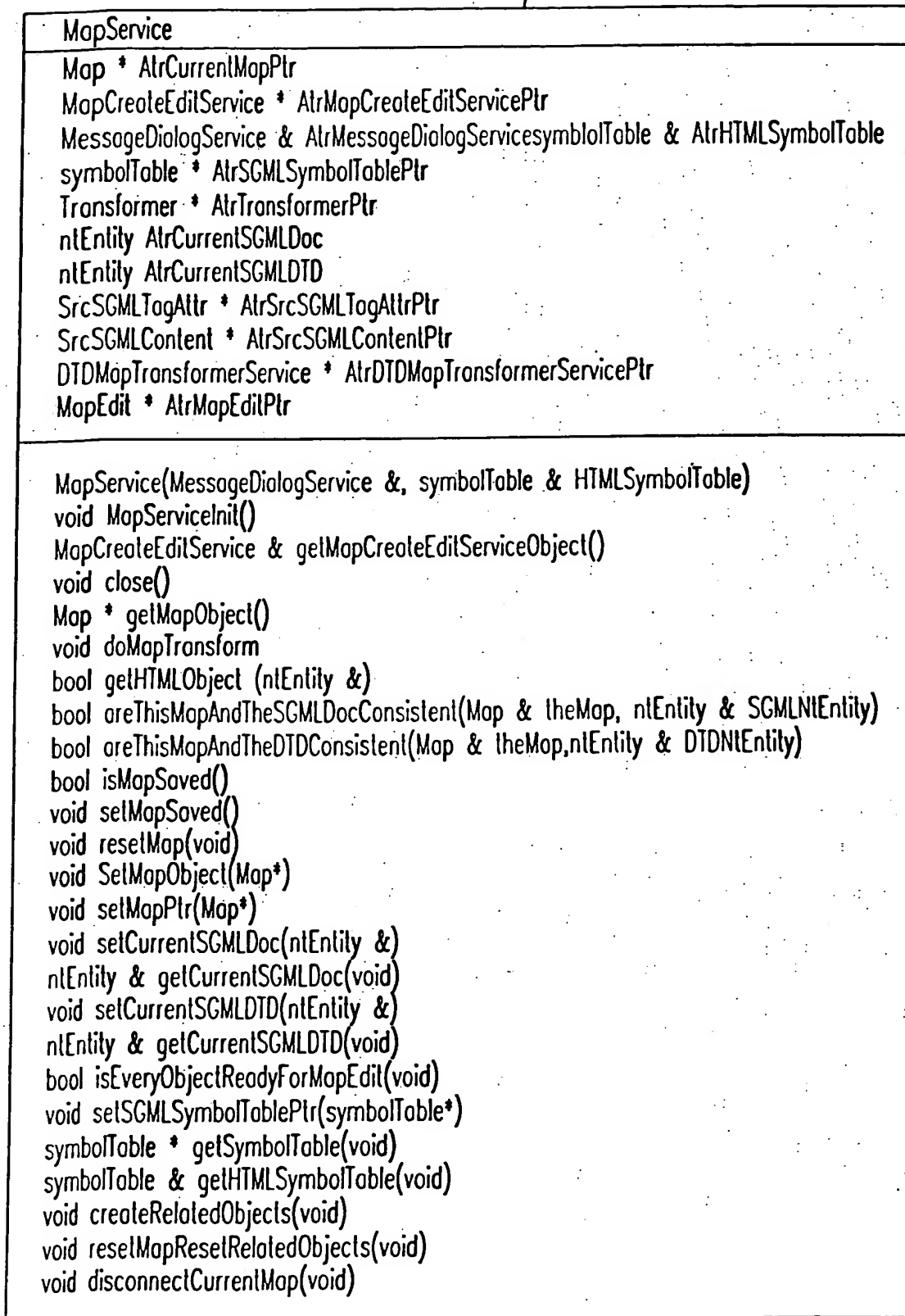


FIG. 8C-3

454
/

MapCreateEditService

Map * AtrCurrentMapPtr
MapService & AtrMapService
MessageDialogService & AtrMessageDialogService
symbolTable & AtrHTMLSymbolTable
symbolTable * AtrSGMLSymbolTablePtr
MapEdit & AtrMapEdit
DTDMapEdit * AtrDTDMapEditPtr

```
void editMap(void)
void CreateNewMap()
void useThisDTD(ntEntity &)
void useThisSGMLDoc(ntEntity &)
void useThisSymbolTable(symbolTable *)
symbolTable & getMapSymbolTable (void)
void useThisMap(Map *)
void selectedHTMLTag(stringbuffer &)
bool addSelectedHTMLTagToCurrentMappingList(void)
bool deleteSelectedHTMLTagFromCurrentMappingList(int listPosition)
void selectedSGMLTag(stringBuffer &)
void finishOneMapping()
void finishCreatingMap()
bool getNextSGMLTag(stringbuffer &)
bool getFirstExistingHTMLTagInMap(stringBuffer &)
bool getNextExistingHTMLTagInMap(stringBuffer &)
bool setSelectedSGMLTagToBeNullAssigned(void)
bool setSelectedSGMLTagToBeNotAssigned(void)
SGMLTagAssignmentType getSGMLTagAssignmentType(void)
void getAttributeAssignmentInformationForHTMLAttribute(const stringBuffer &
    HTMLAttributeName, HTMLAttributeSourceType & SourceType,
    stringBuffer & theFirstData, stringBuffer & theSecondData)
void assignHTMLAttributeWithSGMLAttribute(stringBuffer & HTMLAttributeName,
    stringBuffer & SGMLTag, stringBuffer & SGMLAttribute)
void assignHTMLAttributeWithSGMLContent(stringBuffer & HTMLAttributeName,
    stringBuffer & SGMLTag)
void assignHTMLAttributeWithSystem(stringBuffer & HTMLAttributeName)
void assignHTMLAttributeWithNoValue(stringBuffer & HTMLAttributeName)
void assignHTMLAttributeWithUserInput(stringBuffer & HTMLAttributeName,
    stringBuffer & theUserInput)
void assignDoneSelected(void)
```

FIG. 8C-4

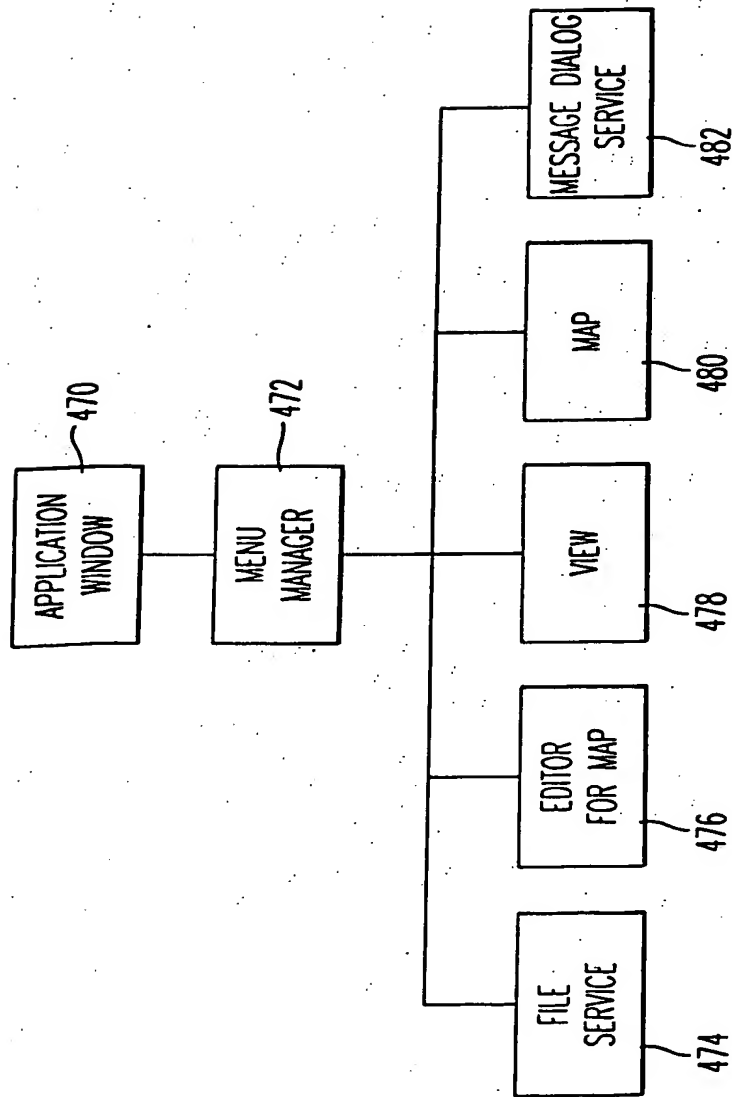
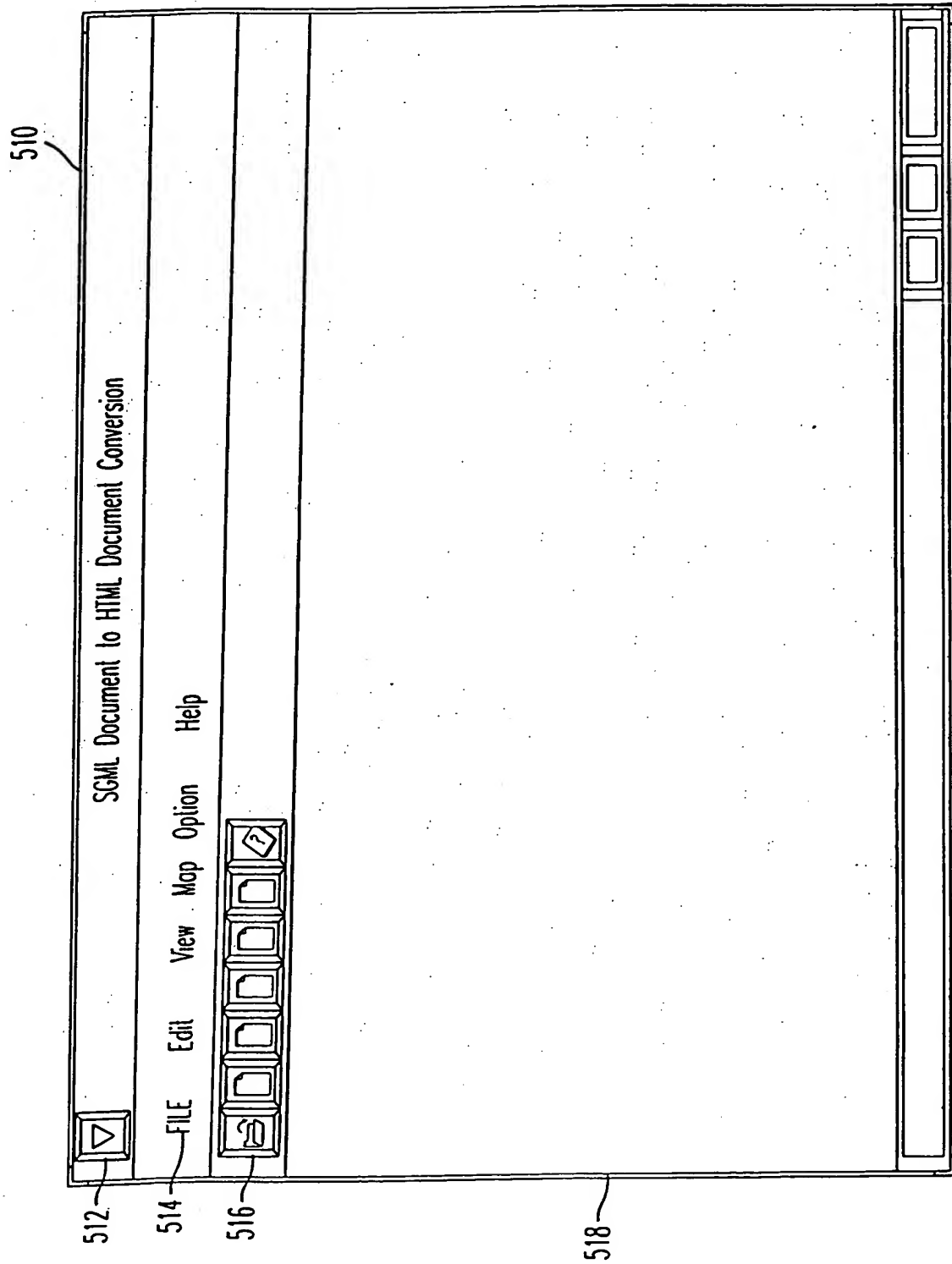


FIG. 9



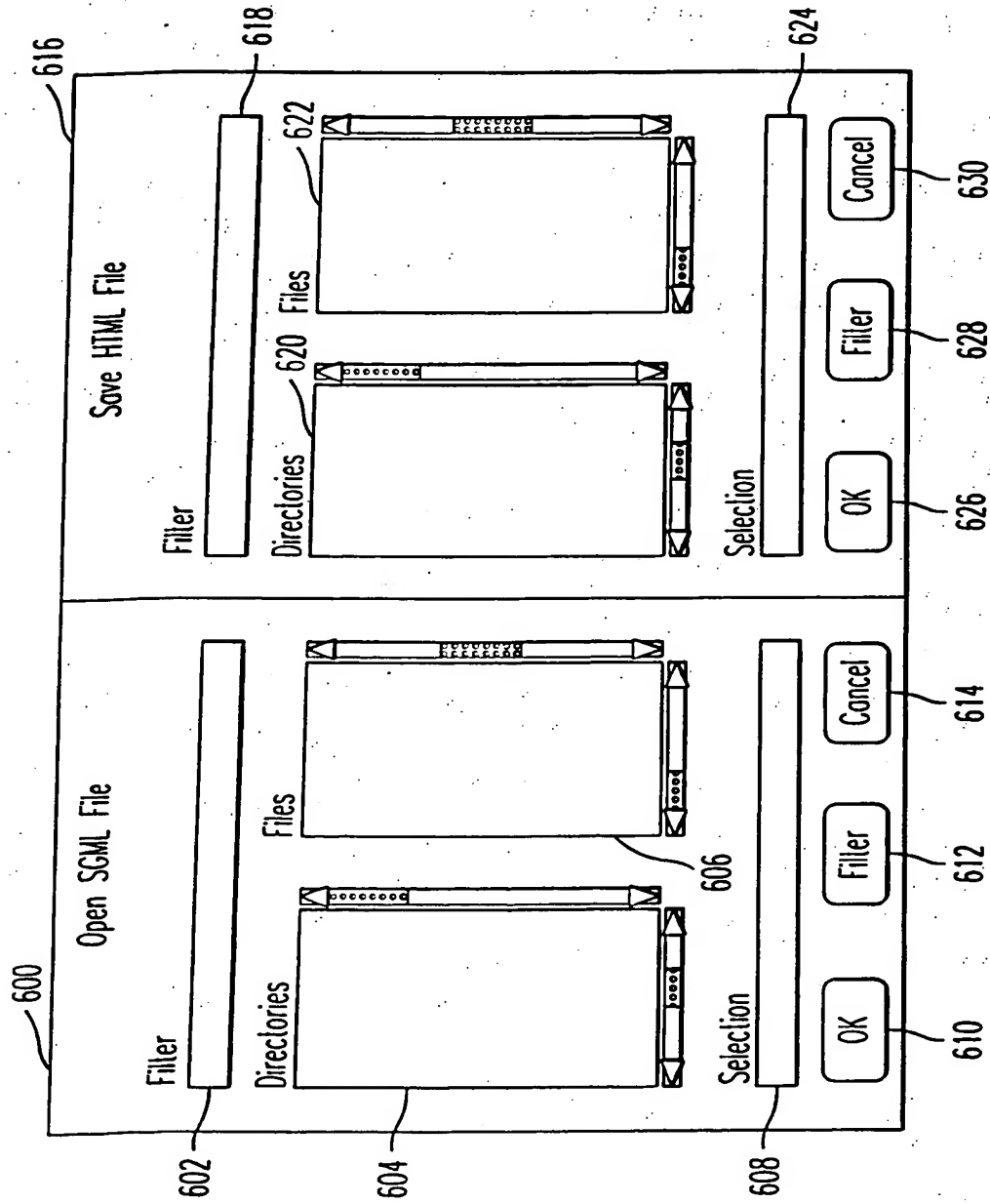


FIG. 11

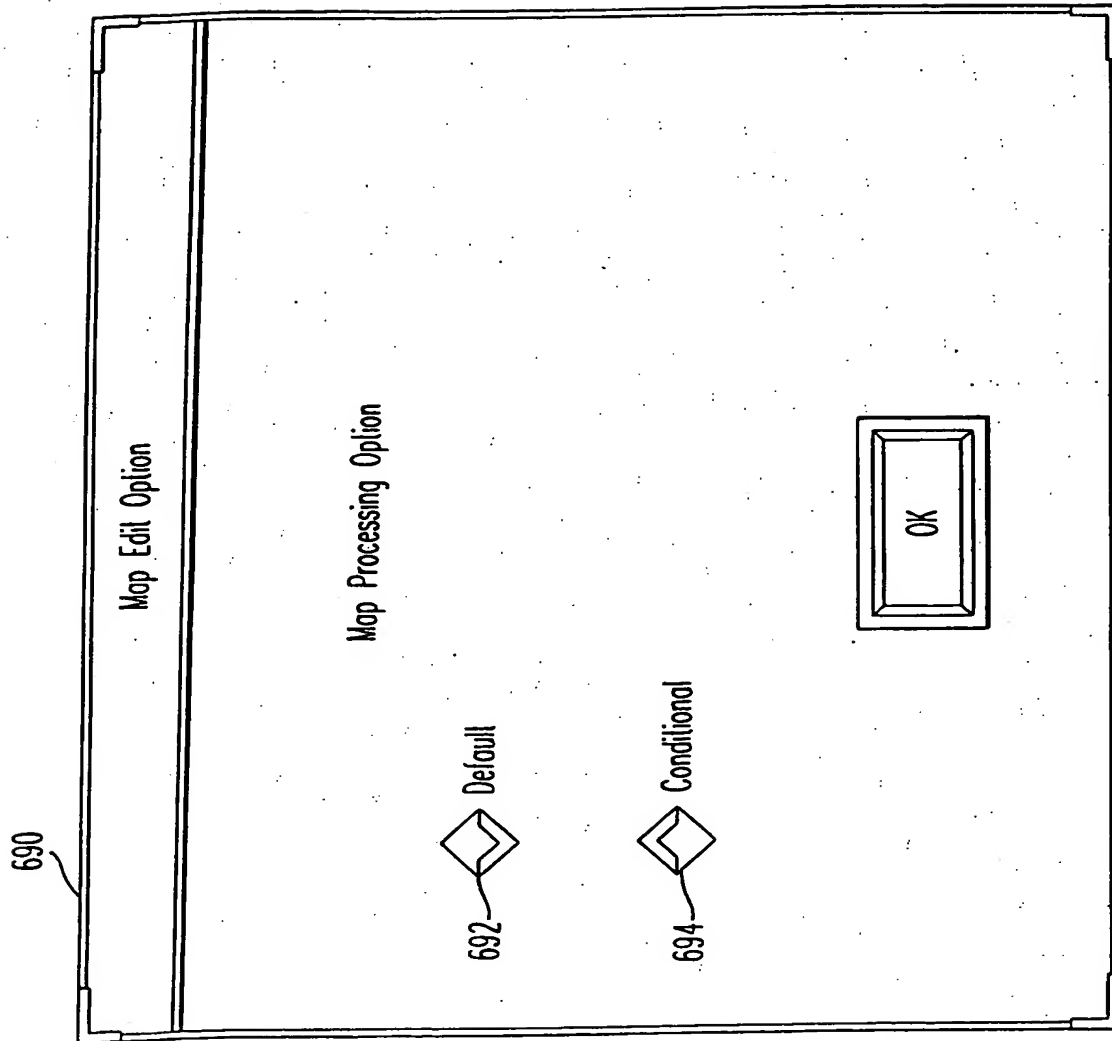


FIG. 12A

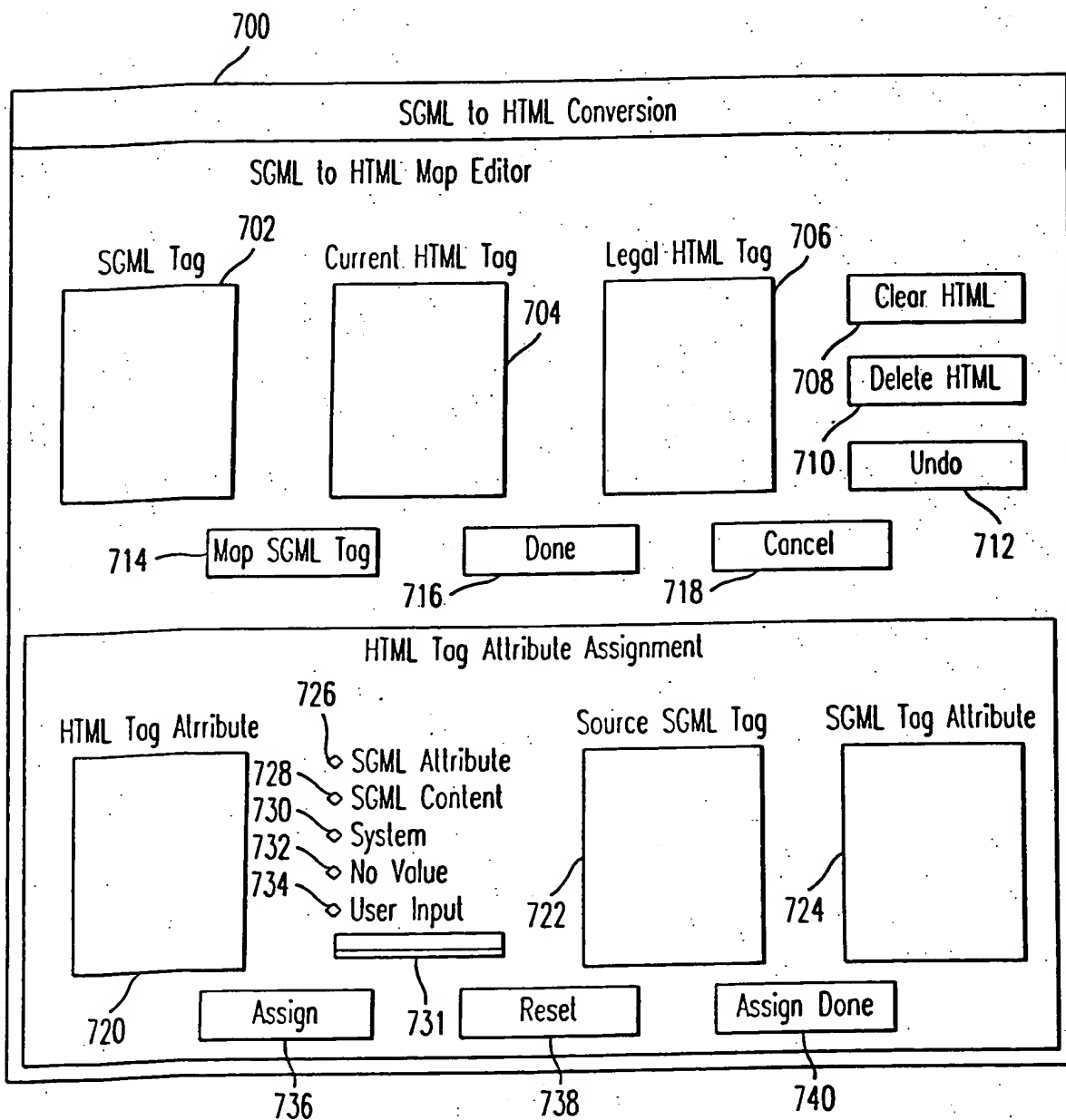


FIG. 12B

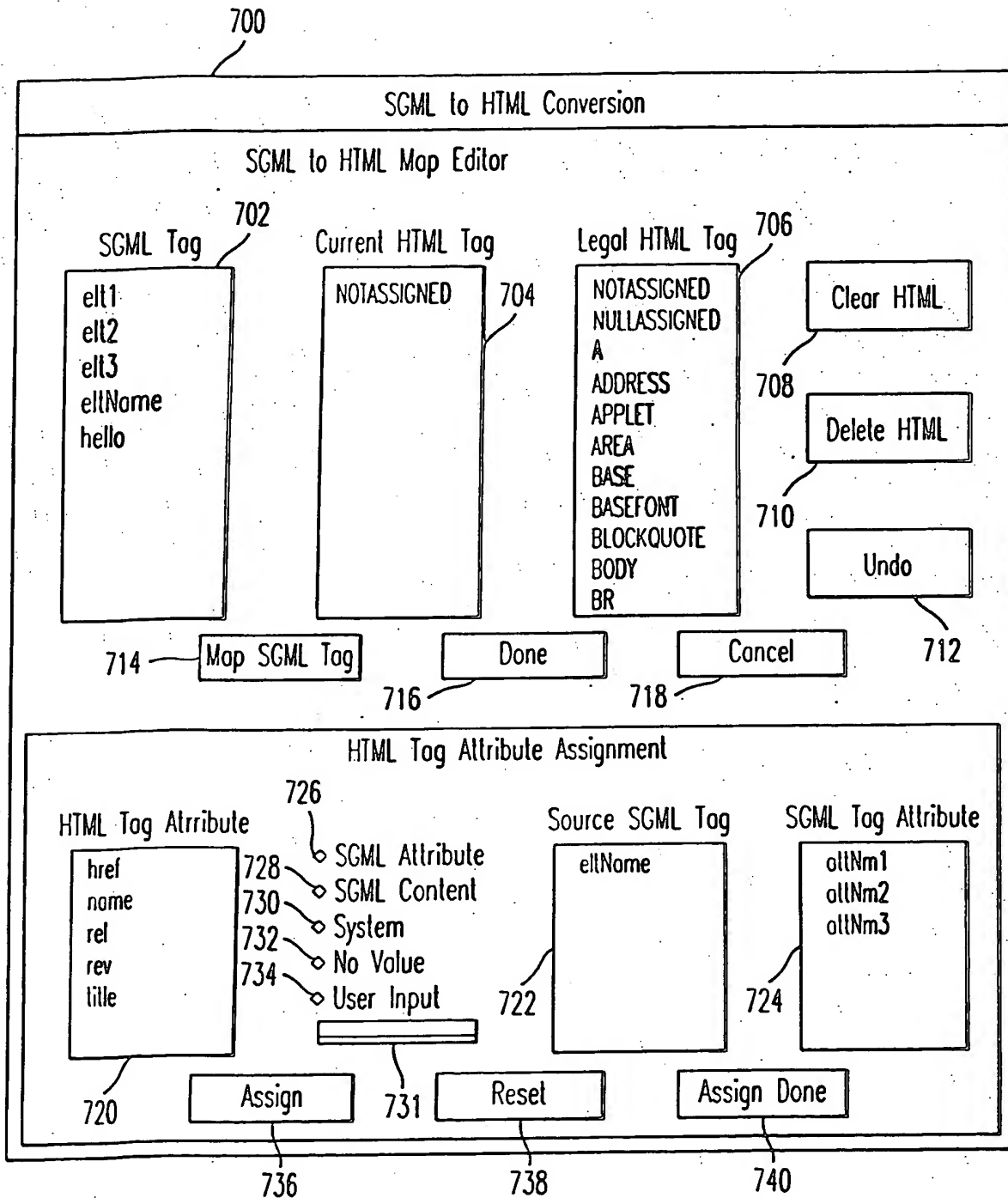


FIG. 12C

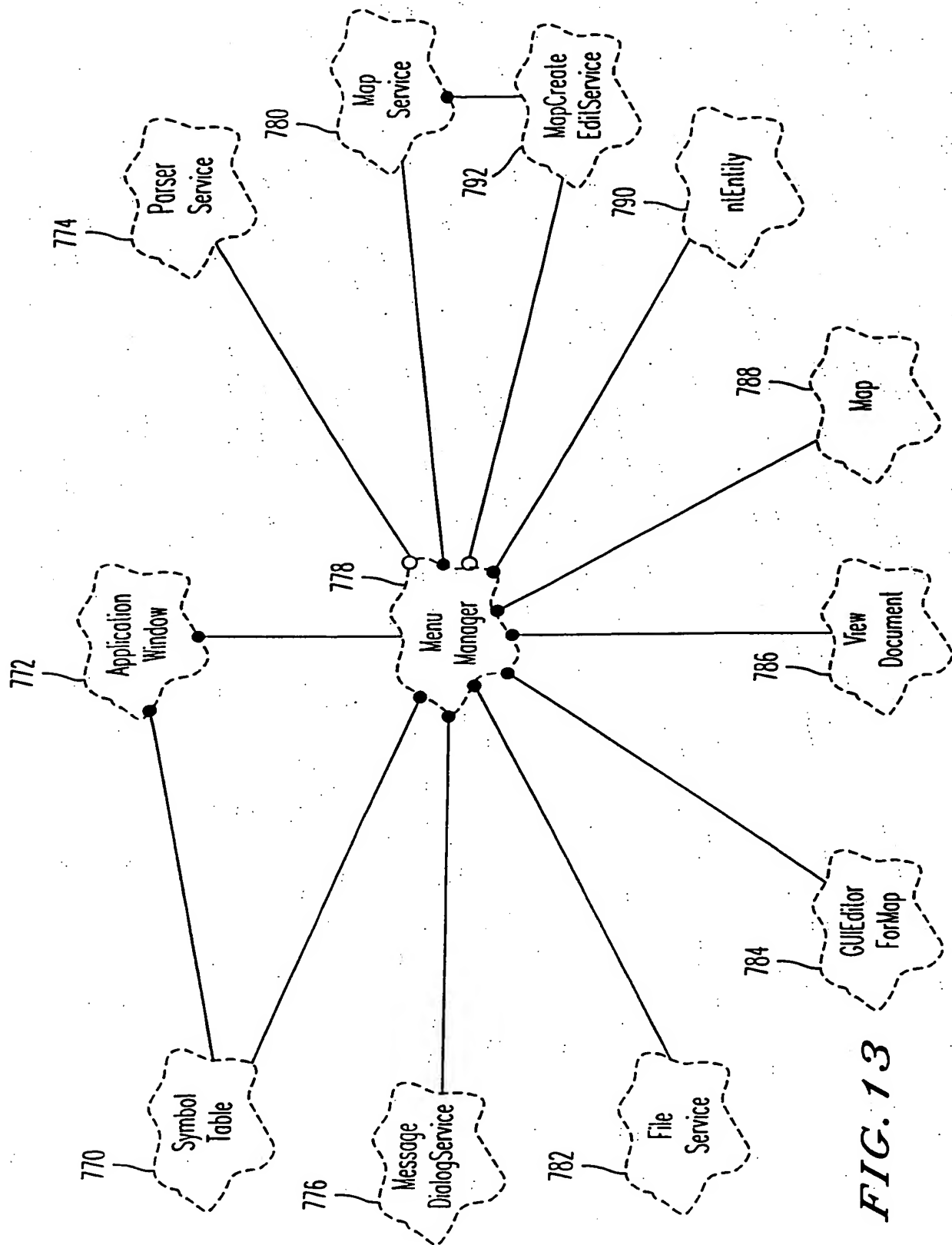


FIG. 13

FIG. 14

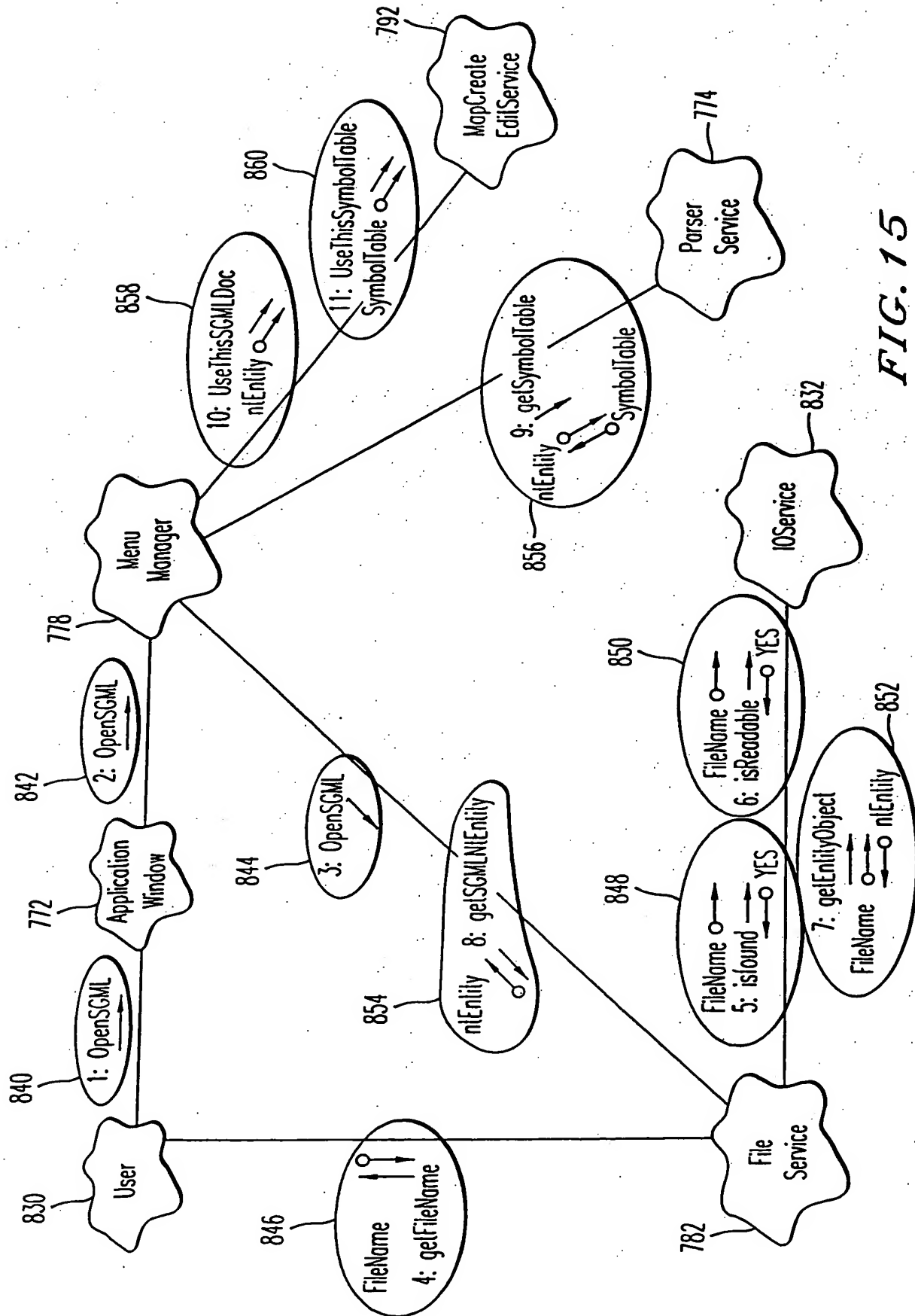


FIG. 15



FIG. 16.

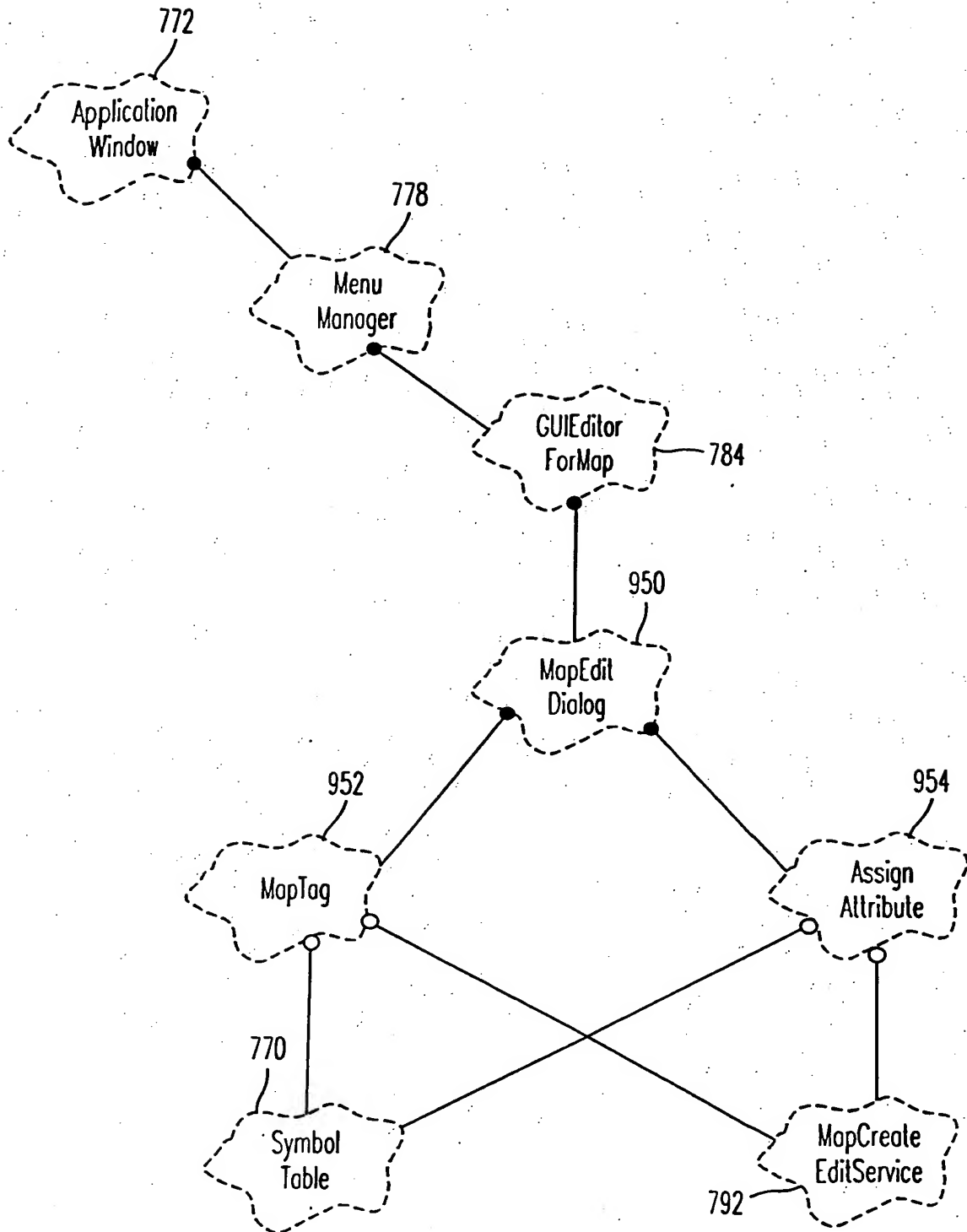


FIG. 17

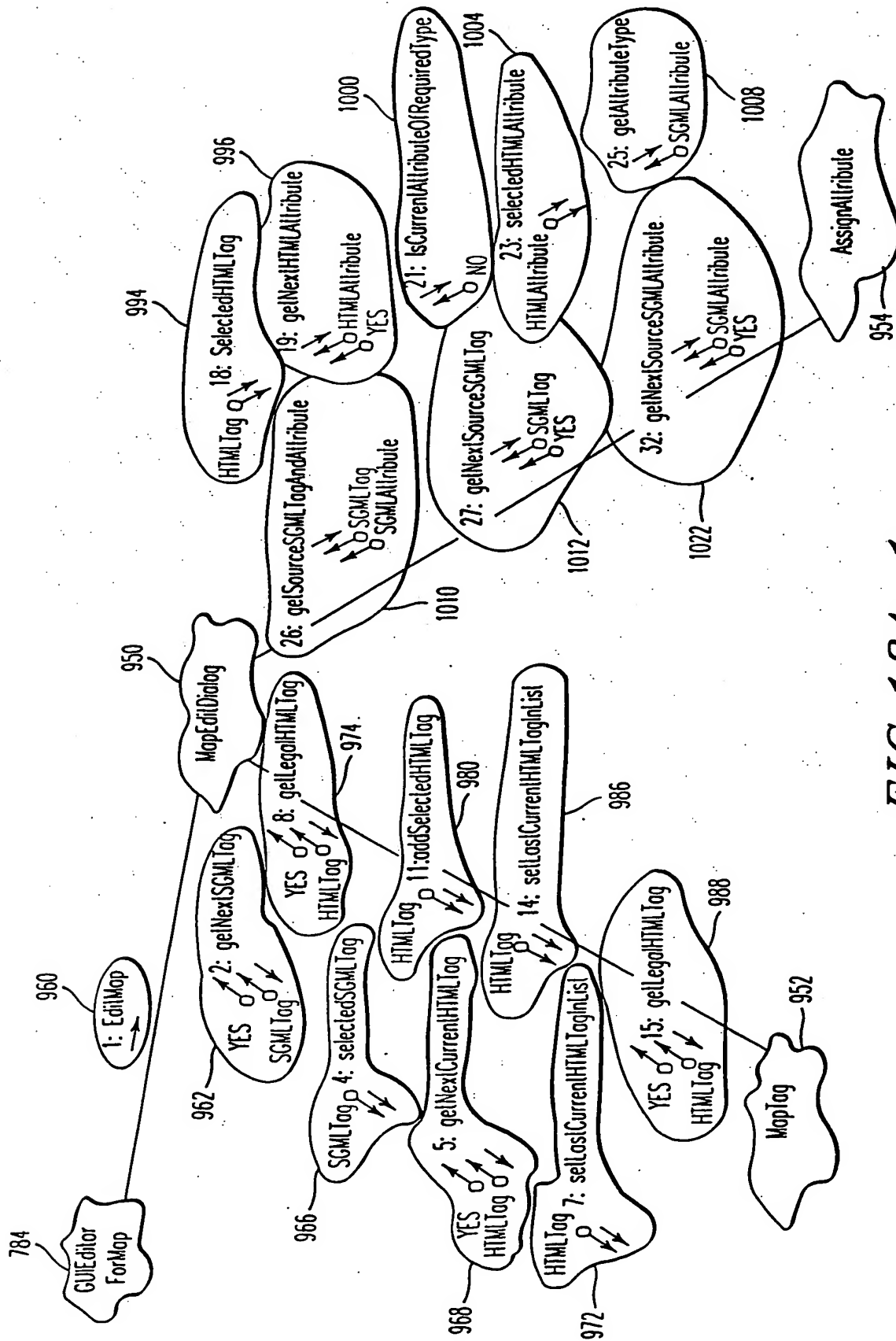


FIG. 18A-1

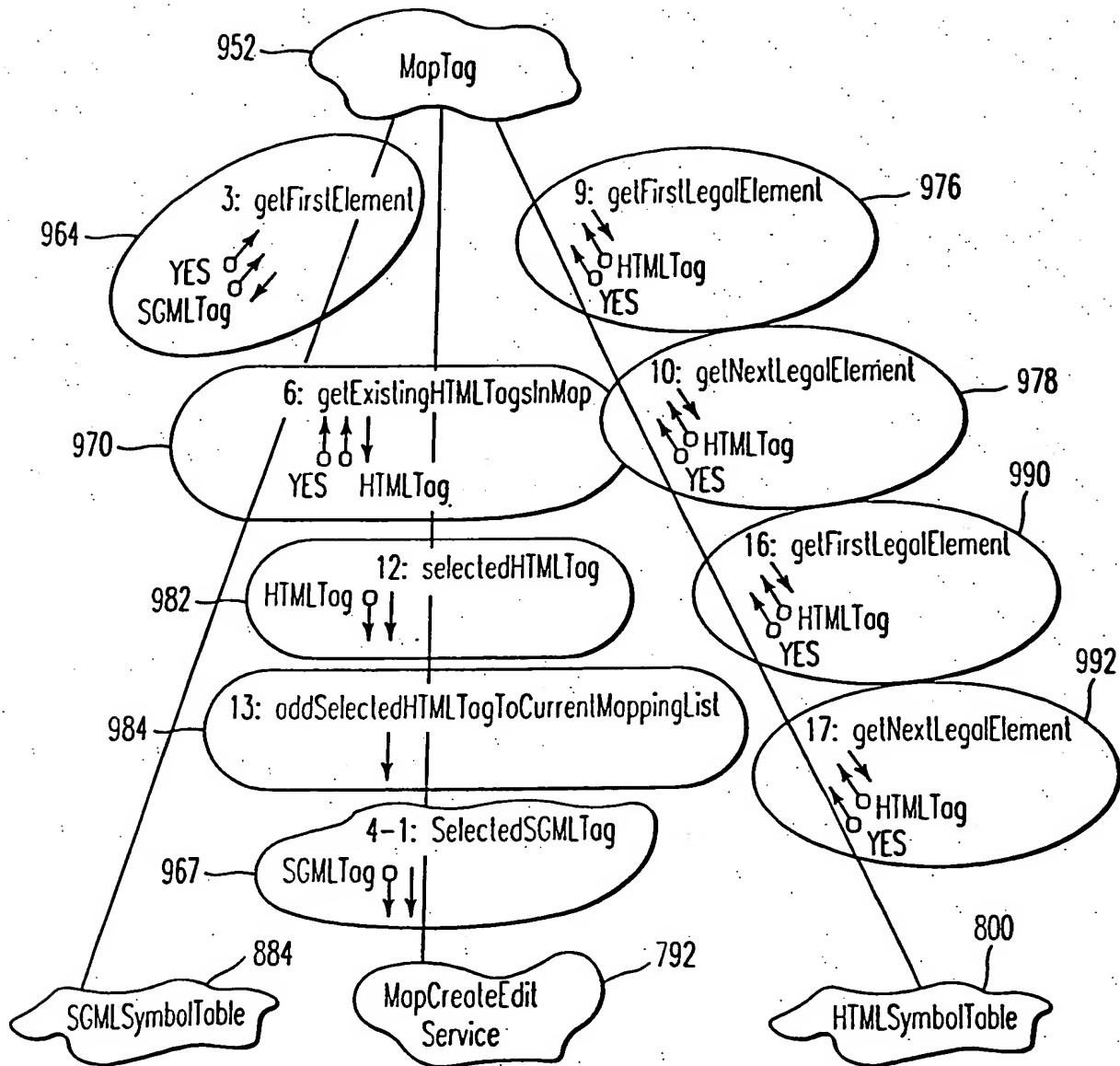


FIG. 18A-2

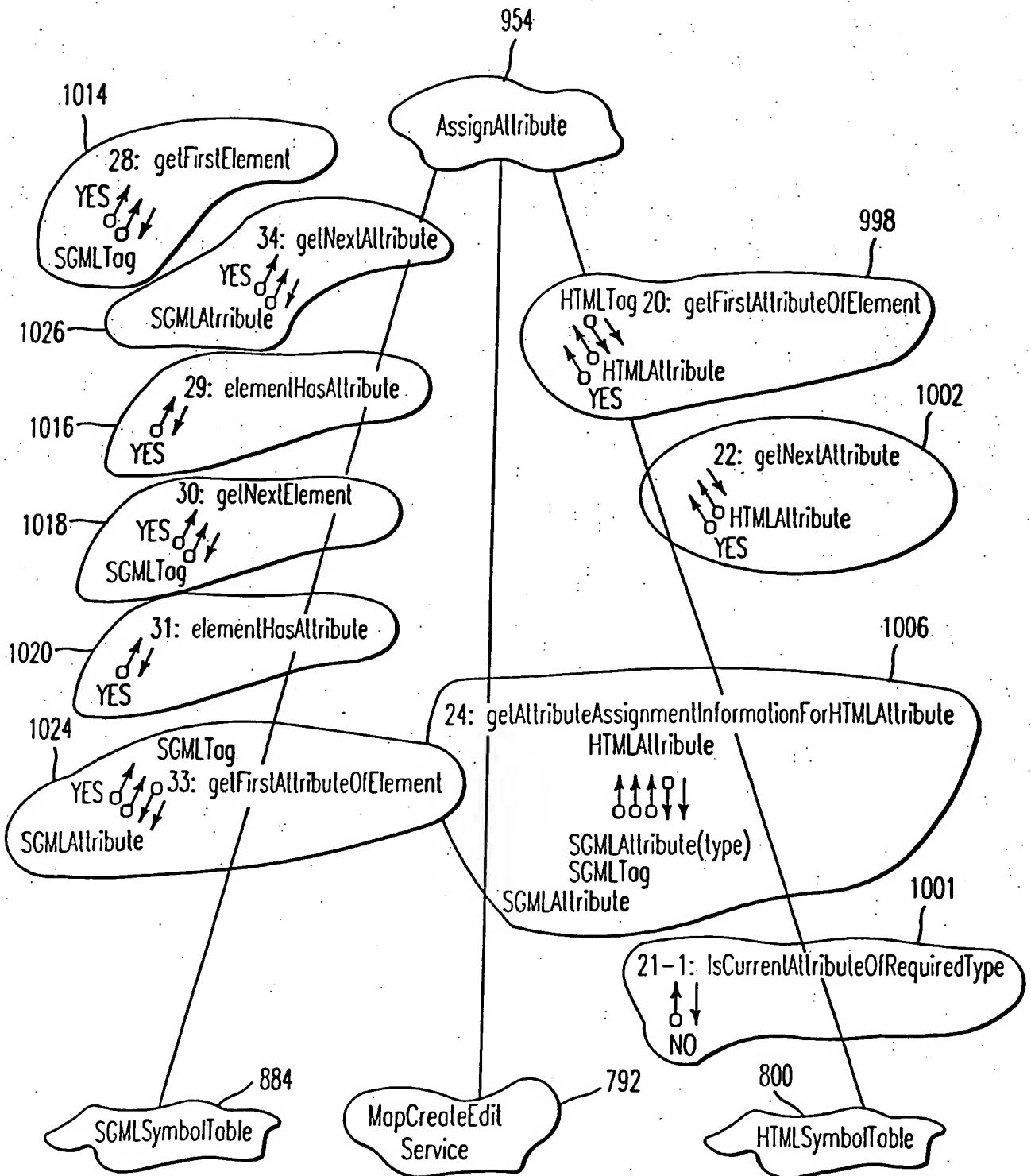


FIG. 18A-3

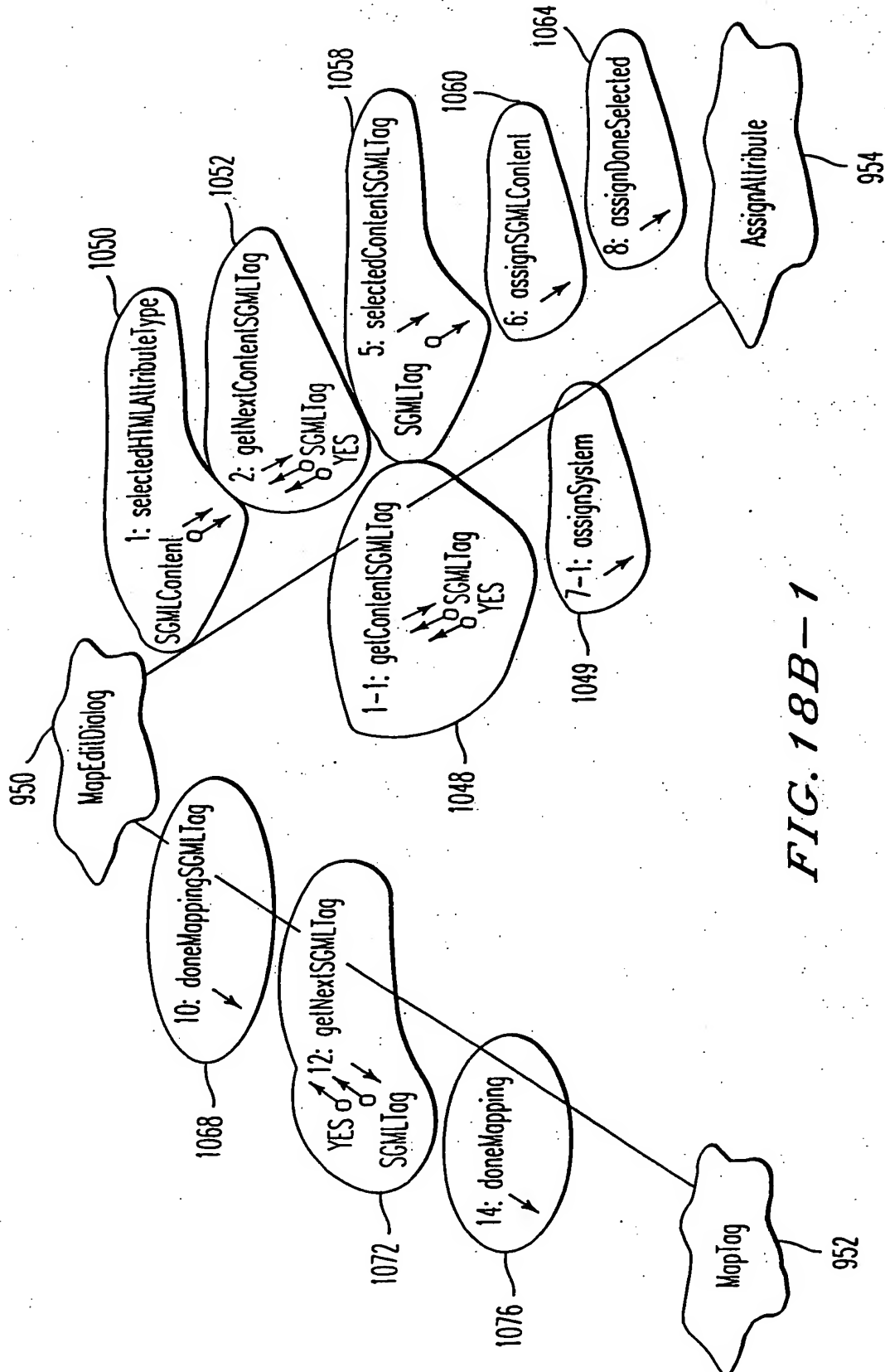


FIG. 18B-1

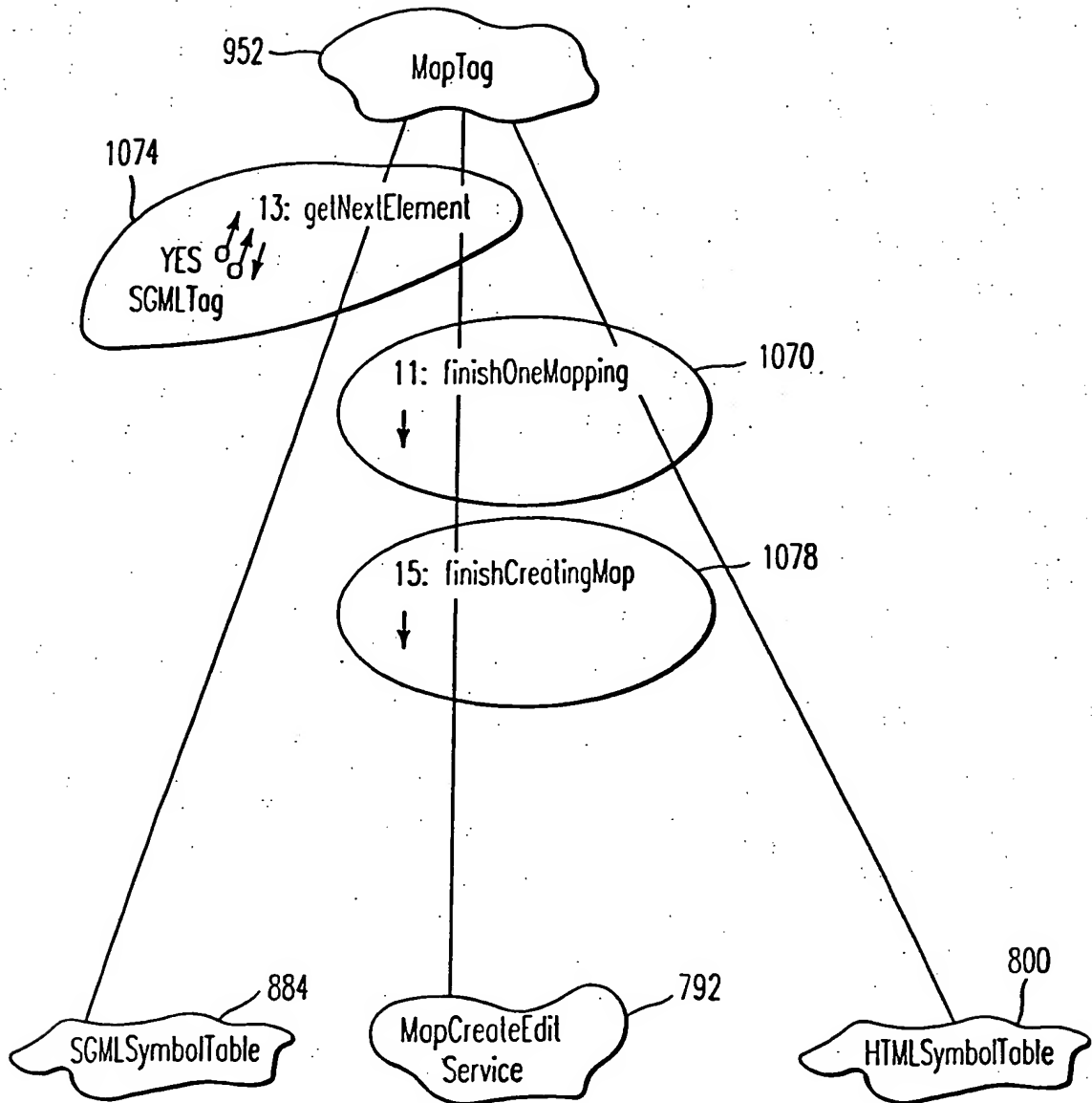


FIG. 18B-2

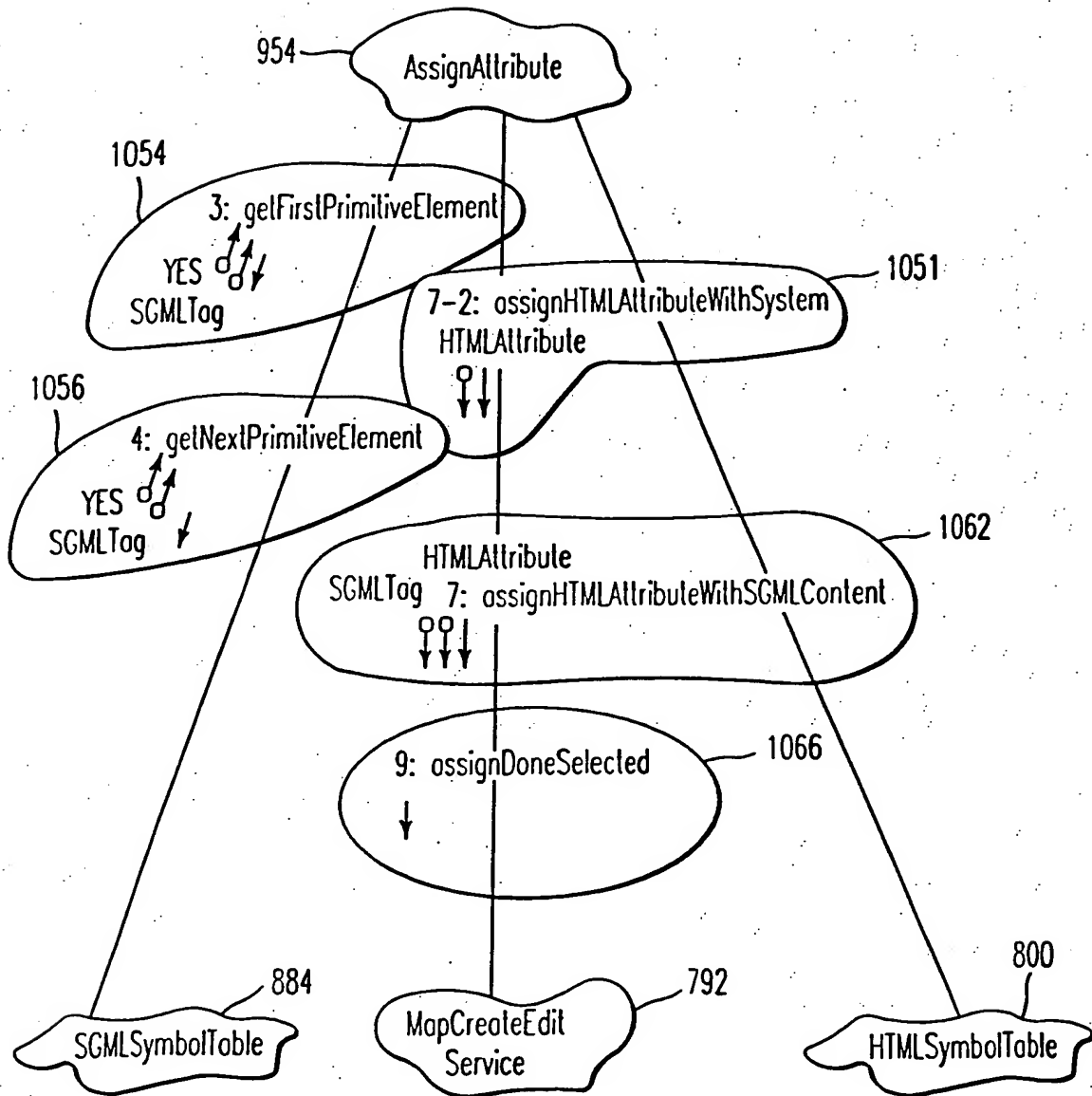
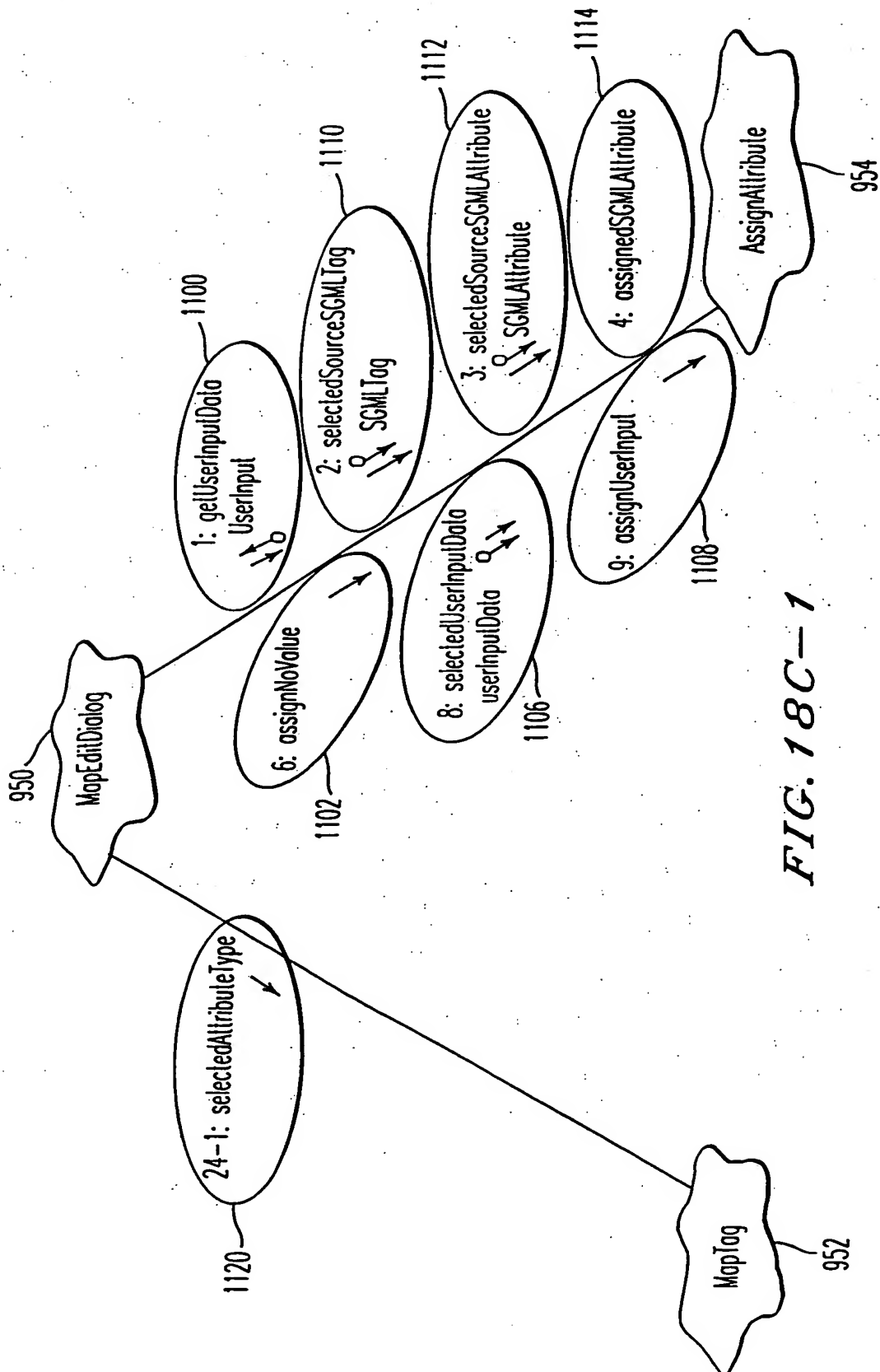


FIG. 18B-3



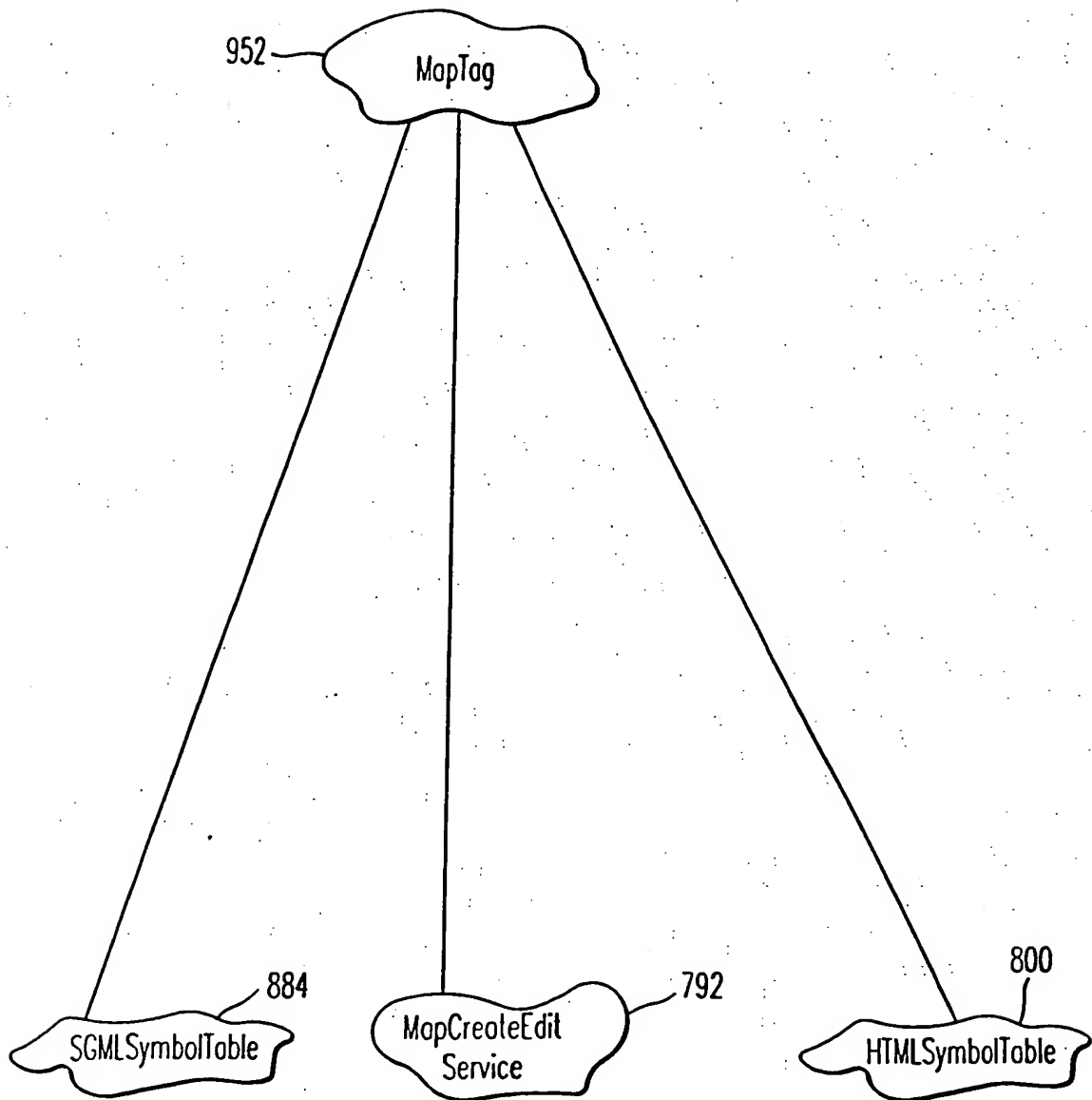


FIG. 18C-2

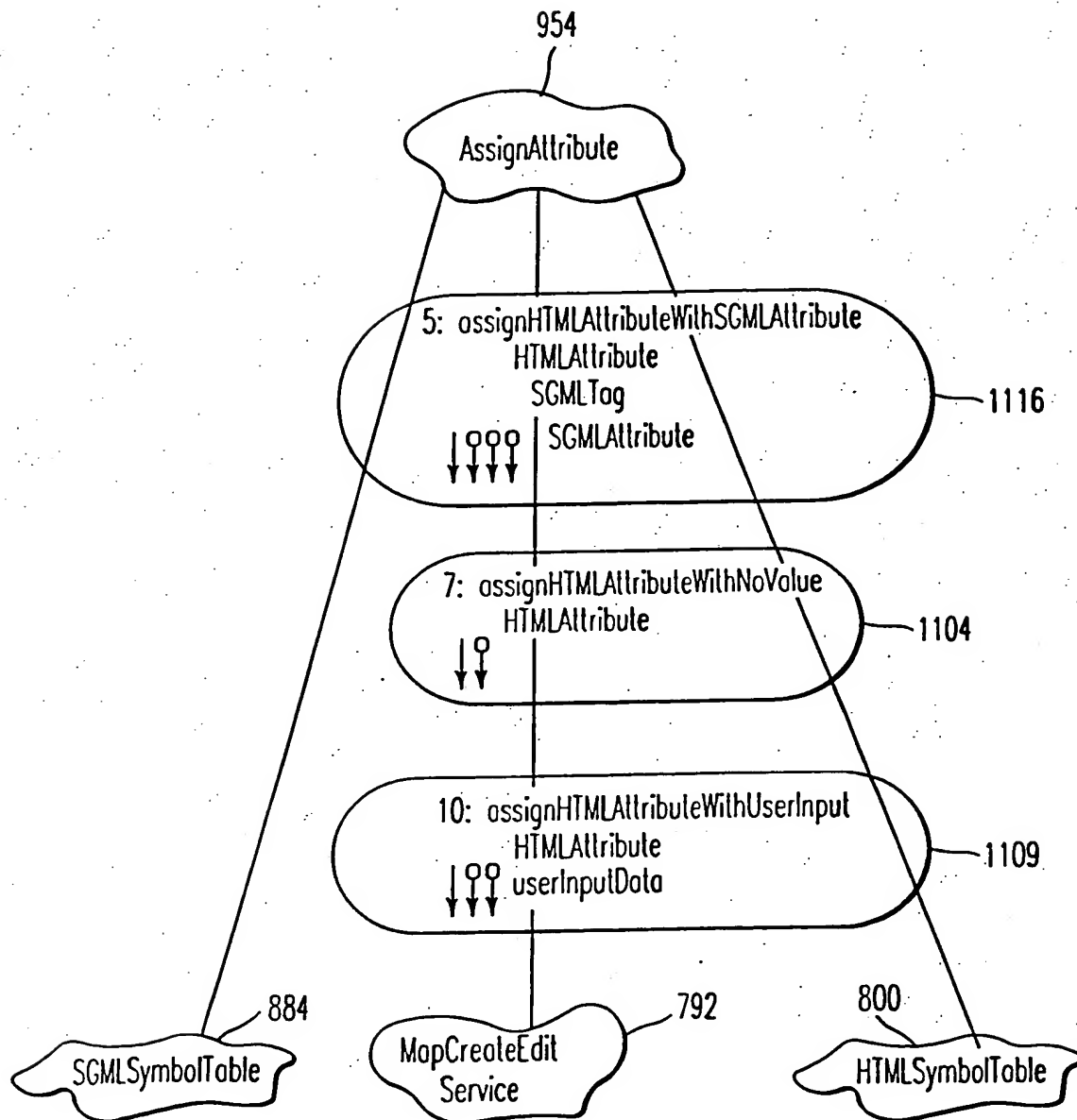


FIG. 18C-3

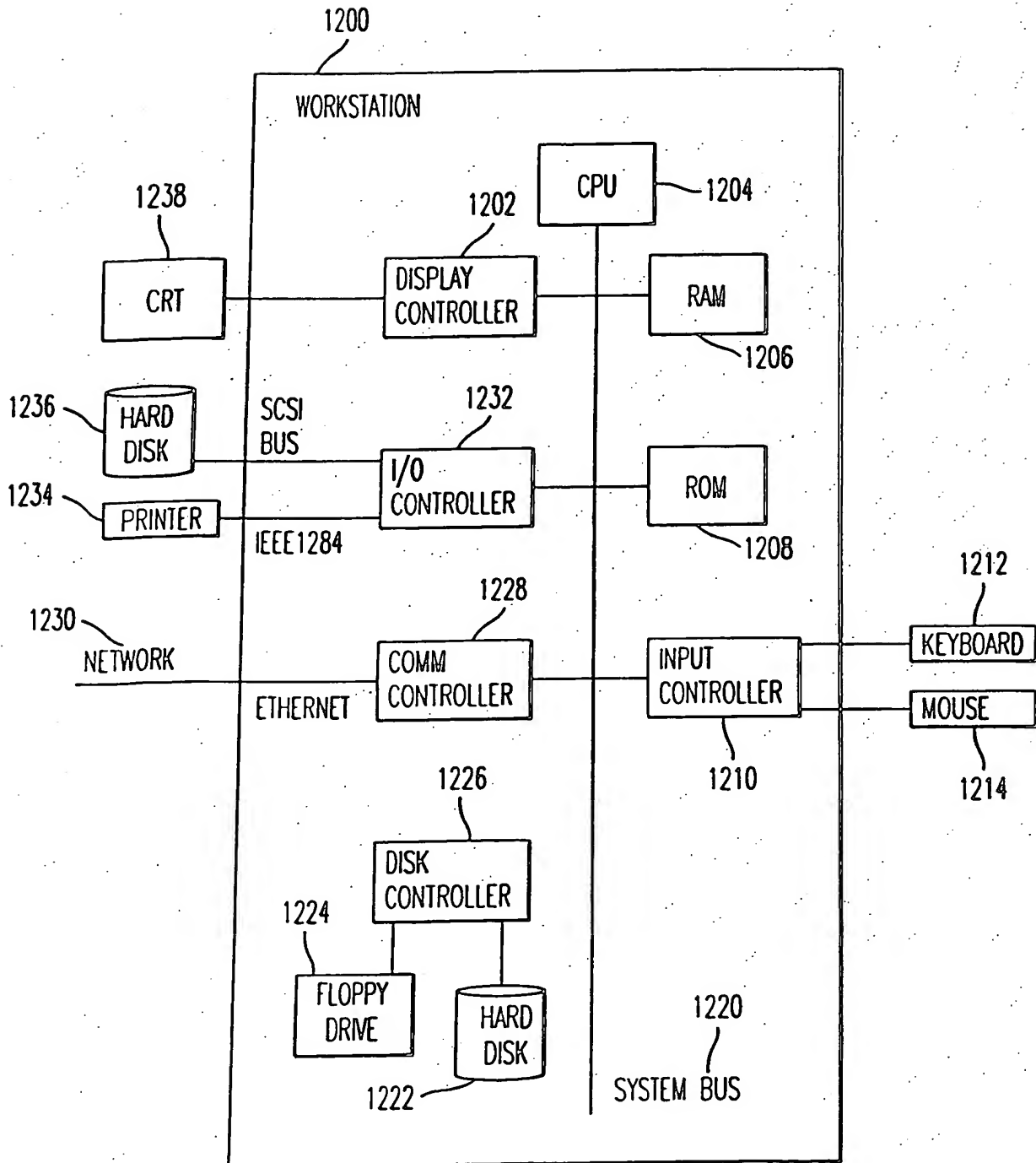


FIG. 19

1400 — XYZ//font::metric::x-offset::622

FIG. 20A

1420 —	ownernome	->	ownernome
1422 —	ownerdescription	->	ownerdescription
1424 —	objectname	->	objectname
1426 —	objectdescription	->	objectdescription
	...	->	...
	'//'	->	'//'
	1430 —	->	—

FIG. 20B

1440 — XYZ_font_metric_x-offset_622

FIG. 20C

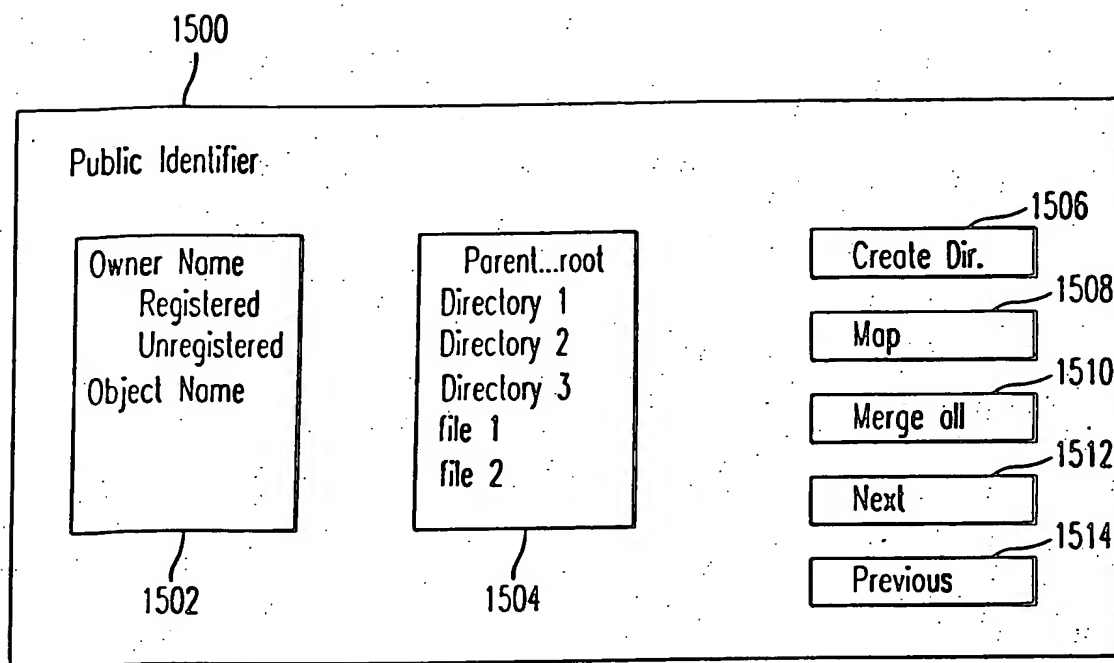


FIG. 20D

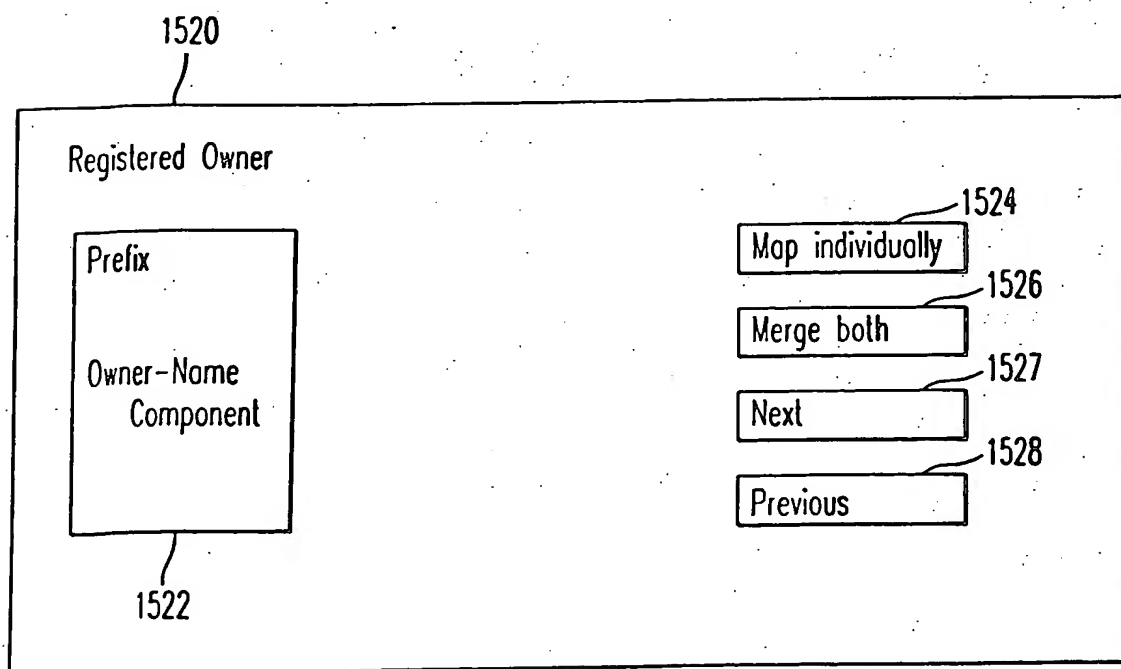


FIG. 20E

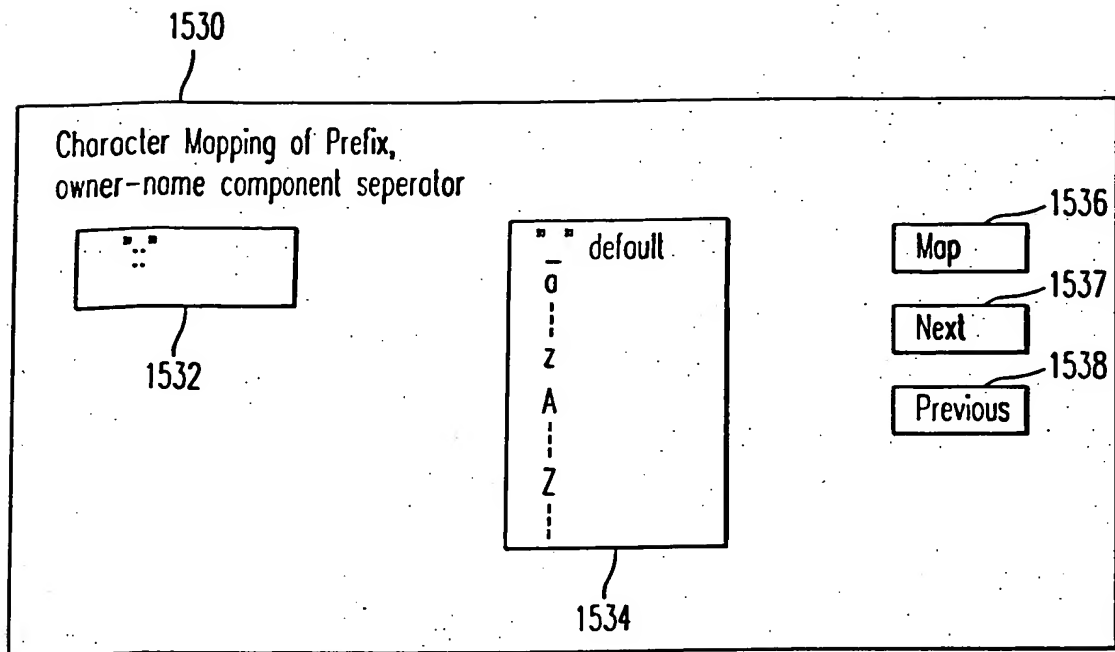


FIG. 20F

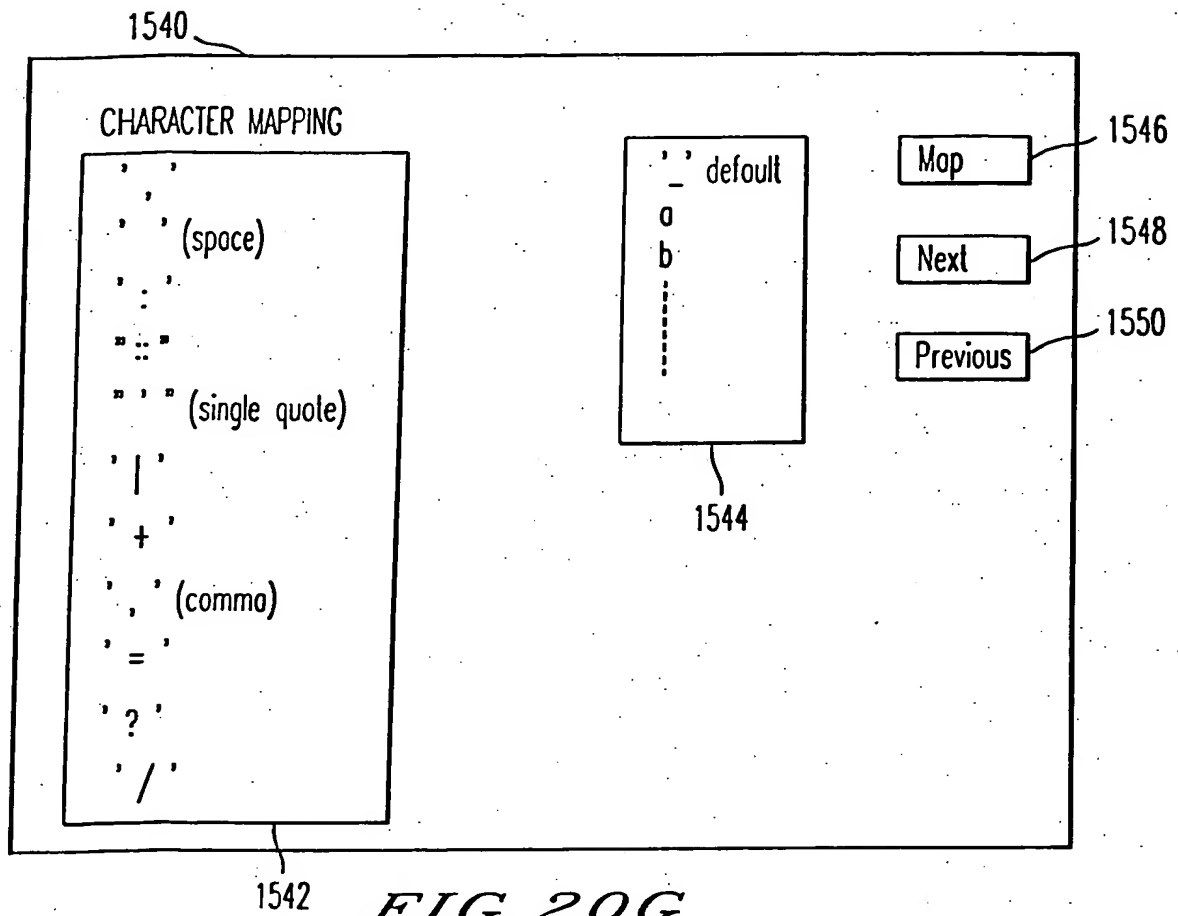


FIG. 20G

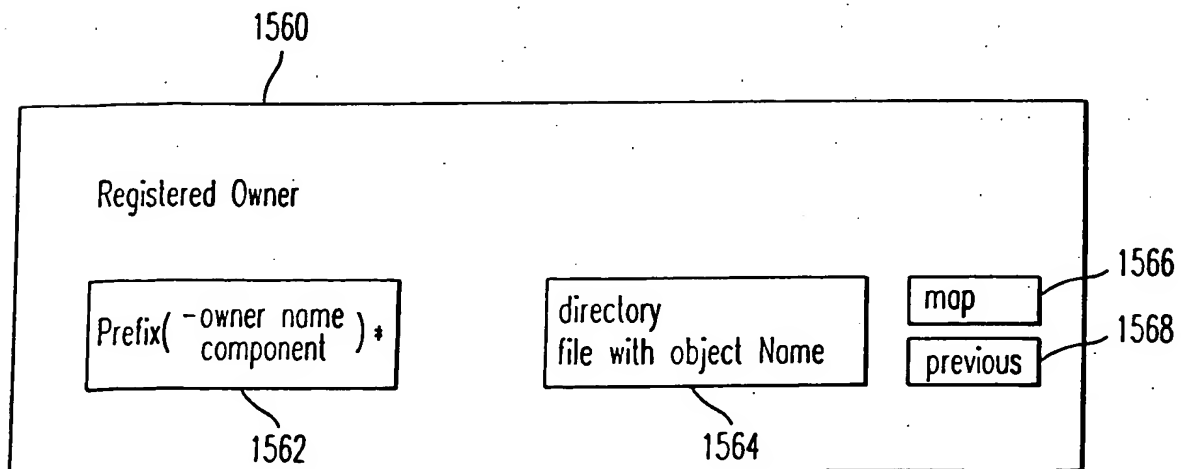


FIG. 20H